

Garrard

**Turntables for
all types**



48
78
78 n
53
53

Garrard

SYNCHRONOUS MOTOR

AS
MAN
CUE

72B

SYNCHRO-LAB 72B



For more than 50 years Garrard has led the world in turntable technology and provided millions of people with countless hours of listening pleasure.

It's no accident that Garrard are so far out in front. It is the result of continuous, thorough research and creative product development. Plus an insistence upon rigid quality control—something that has assured Garrard turntable owners of long-term satisfaction. And for over 50 years makers of the world's finest record players, radiograms and Hi-Fi systems have repeatedly made Garrard turntables the automatic choice for their equipment.

This booklet illustrates the most complete, most advanced range of turntables ever offered. Quite a claim; but one well supported by hard facts. And they're all here in these 24 pages.

Take a look at the feature comparison chart at the rear of this brochure and see what we mean.

Garrard

Model 401

When only the best will do, when only perfection is permissible, broadcaster and connoisseur alike turn to the Garrard 401 transcription turntable. For they know that when they buy the 401 they are buying the finest example of transcription turntable technology available.

Styled by one of Britain's leading designers, the 401 combines elegance with craftsman engineering. Metaescent charcoal and chrome relief echo its superb performance.

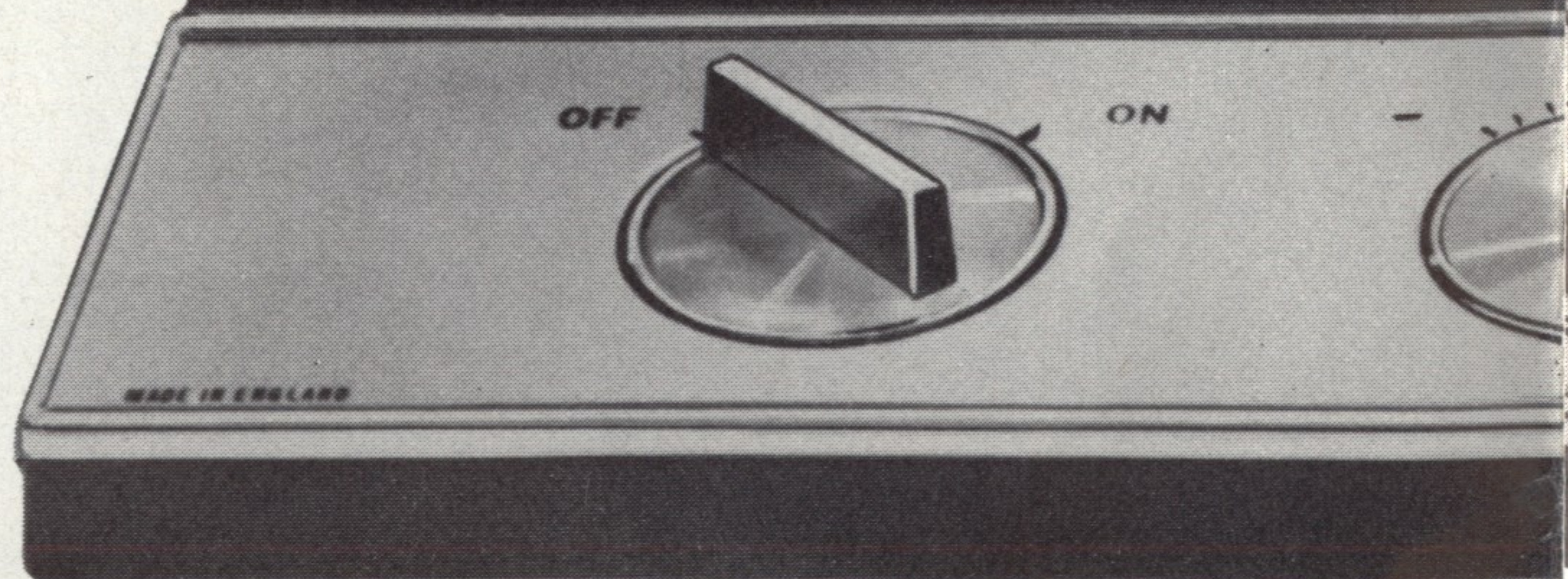
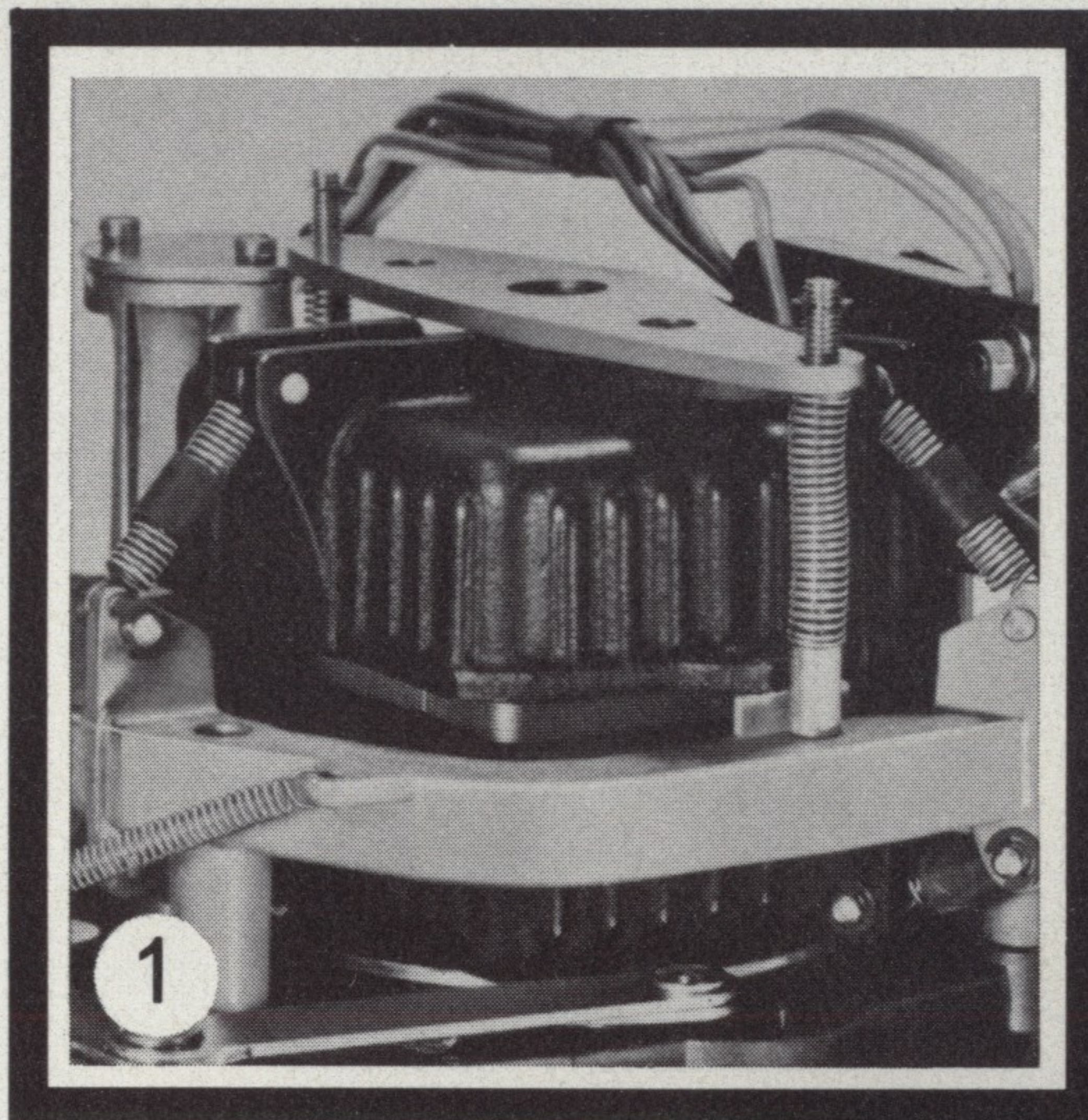
The heart of the 401 is a high and low-voltage range (110 to 125V and 220 to 250V) shaded-pole induction motor (Fig. 1). This is mounted on six specially tensioned springs which act as an extremely effective vibration barrier. Surrounding the motor is a heavy iron case which ensures full magnetic screening, while a fully suppressed double-pole switch controls its mains supply.

The 401 operates at three standard speeds— $33\frac{1}{3}$, 45 and 78 rev/min. Around the periphery of the turntable are accurately spaced stroboscopic markings and these are illuminated by a high-intensity neon lamp inset in the rigid base. This is a unique feature of the 401 enabling a visual check of the turntable speed. If adjustment is needed there is a conveniently situated control on the front panel of the unit permitting the speed to be varied by plus or minus 3 per cent (Fig. 2). The balanced, machined turntable is an aluminium, gravity casting weighing approximately six pounds. Each unit undergoes the most rigorous inspection and test before it leaves our factory. And the final performance figures are recorded and enclosed with the unit.

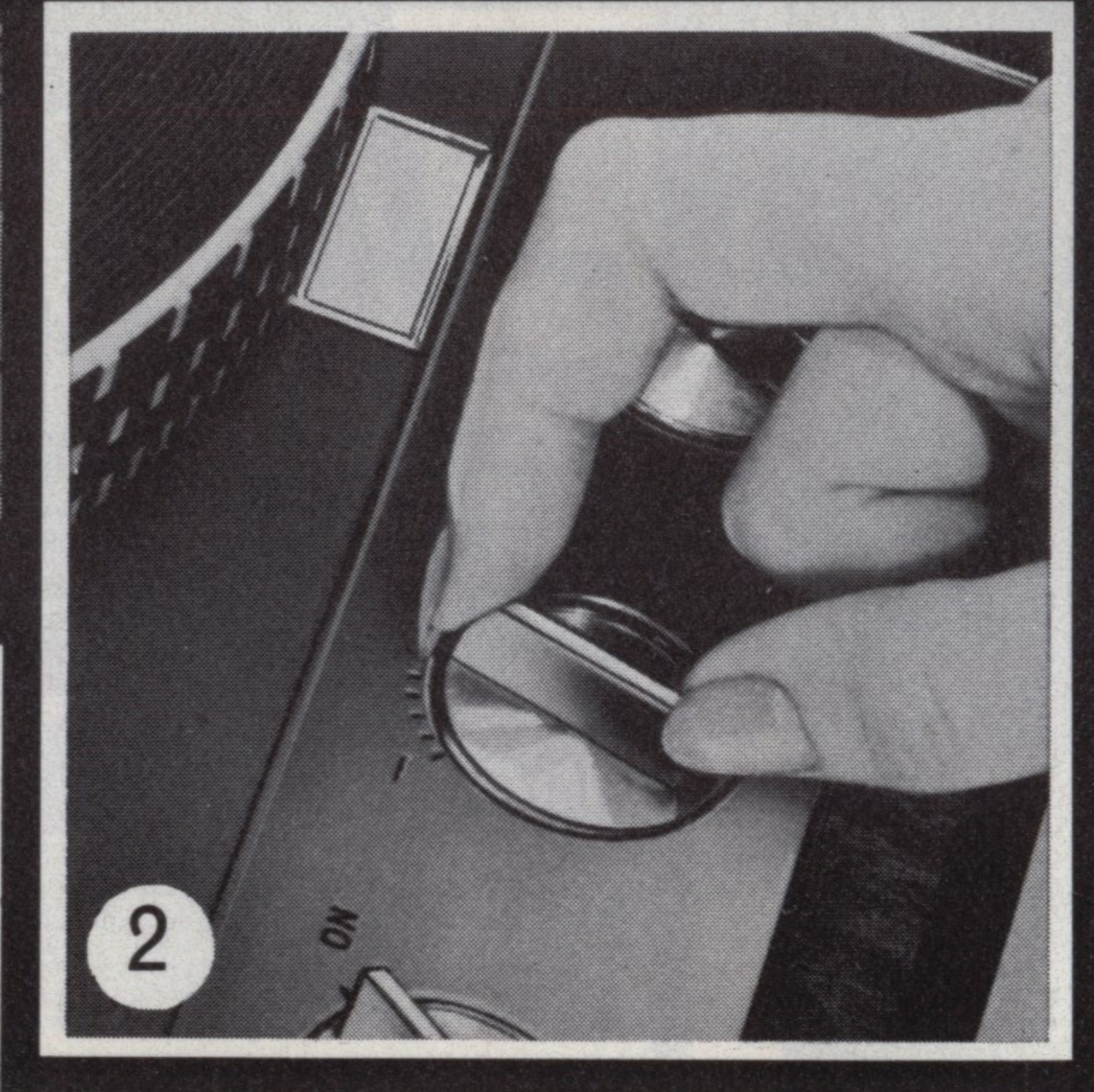
Size: $13\frac{3}{4}$ in (349 mm) wide by $14\frac{5}{8}$ in (371 mm) front to rear by $2\frac{1}{8}$ in (54 mm) above and $3\frac{1}{16}$ in (100 mm) below lower edge of unit plate. Space must be allowed to accommodate chosen pickup arm.

Performance:

Wow and flutter better than 0.08% r.m.s.
Rumble (relative to 1.4 cm/sec @ 100Hz)
better than -51dB.



Model A P 76



Model AP76

Truly an outstanding unit, the AP76 single-record player fulfils the growing demand for a transcription turntable of thoroughbred quality but modest price. The unit features the facility for automatic play of single records, a refinement of considerable value. Styling is crisp and modern with a contrasting black and silver finish. Operation is swift and effortless. Tab switches give you finger-tip control throughout the record-playing cycle (Fig. 1).

The pickup arm is tubular with a hexagonal cross-section. A resiliently mounted weight is used for counterbalancing the arm. The stylus force is calibrated from 0 to 5 grams in 1-gram intervals.

Another feature of the AP76 is the pickup arm bias compensator (Fig. 2). It's specially calibrated for spherical and elliptical styli, and easily set to correspond with the applied stylus force by sliding a weight along a lever which tilts as the arm moves toward the centre of the record.

Record speed and size selection are incorporated within one control, a simple flick of the wrist being all that's required to set the unit to play either 12-inch 78 rev/min, 7-inch 45 rev/min or 12, 10 and 7-inch 33 $\frac{1}{3}$ rev/min records. Viscous damping gently lowers the pickup arm onto the record, and cueing and pausing are executed by using the appropriate tab control.

With the unit's slide-in cartridge carrier, cartridge inspection and replacement are quick and convenient.

The 11 $\frac{1}{2}$ -inch aluminium turntable is driven by the well-proven, smooth, silent-running, Garrard 4-pole induction motor. When a record has been played, the pickup arm returns to its rest and the unit switches itself off automatically.

Size (including maximum rear and side overhang of pickup arm): 14 $\frac{9}{16}$ in (370 mm) wide by 12 $\frac{11}{16}$ in (322 mm) front to rear by 2 $\frac{5}{8}$ in (67 mm) above and 2 $\frac{15}{16}$ in (75 mm) below lower edge of unit plate.

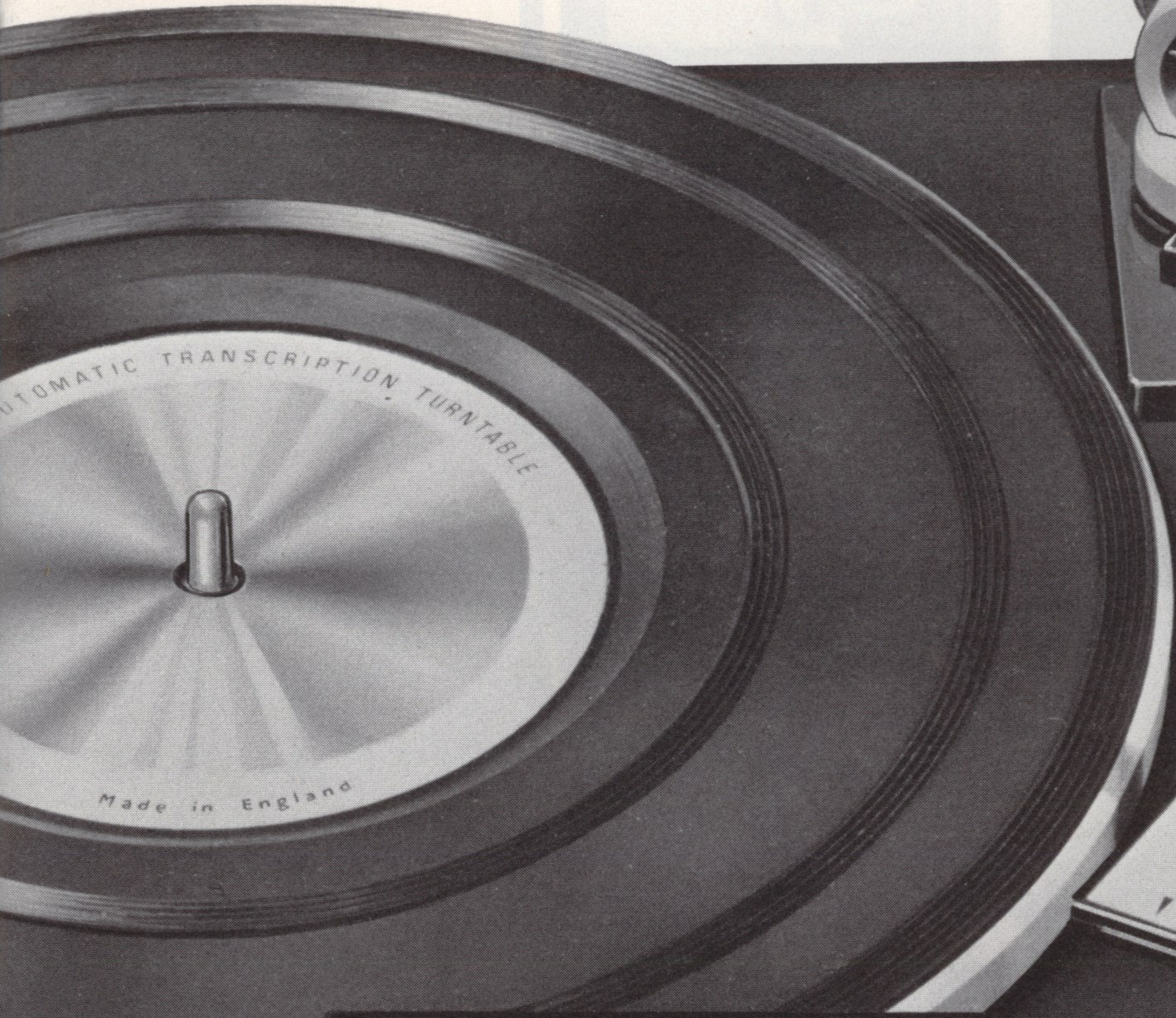
Performance: Within DIN 45 500

Wow and flutter better than 0.1% r.m.s.

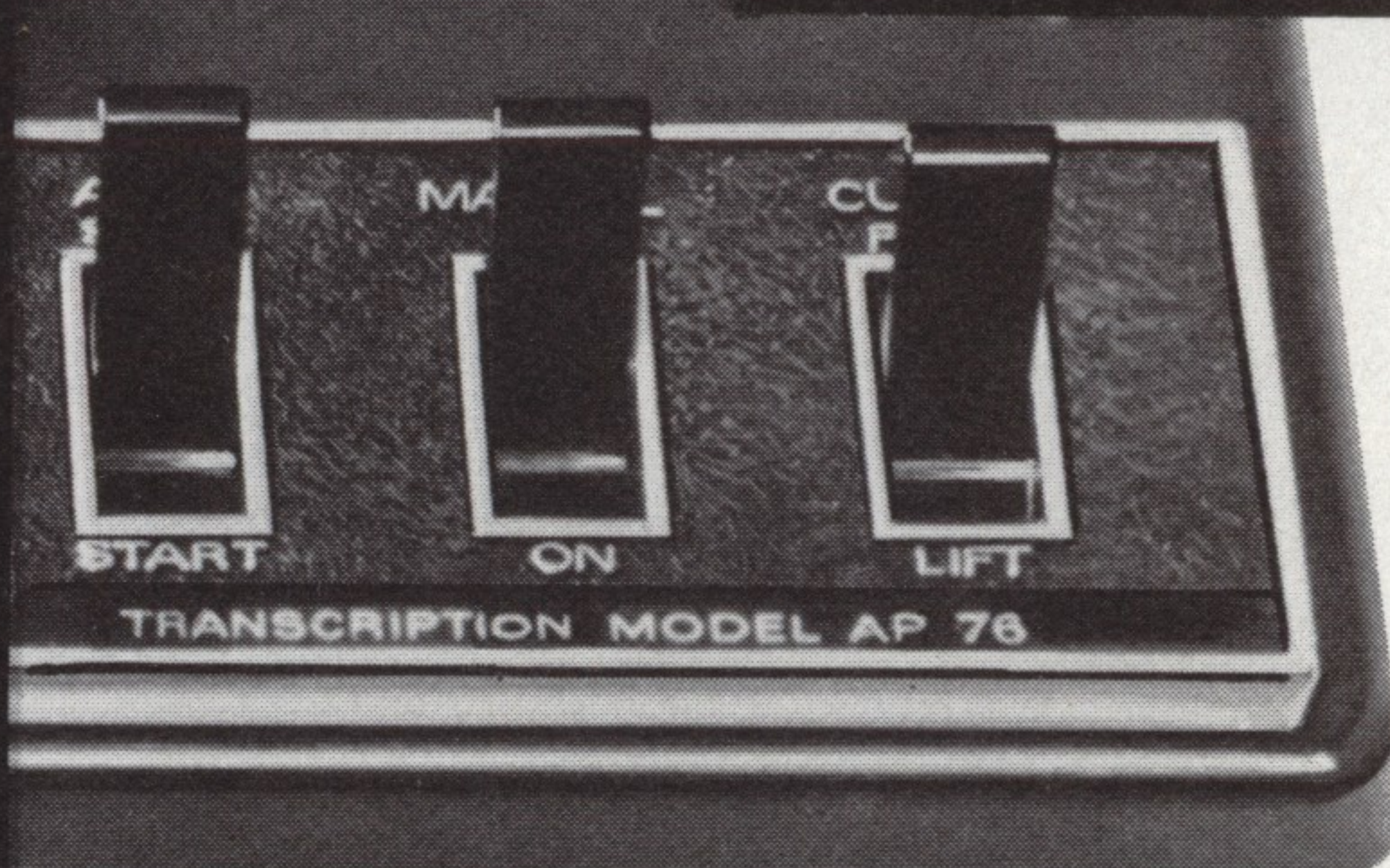
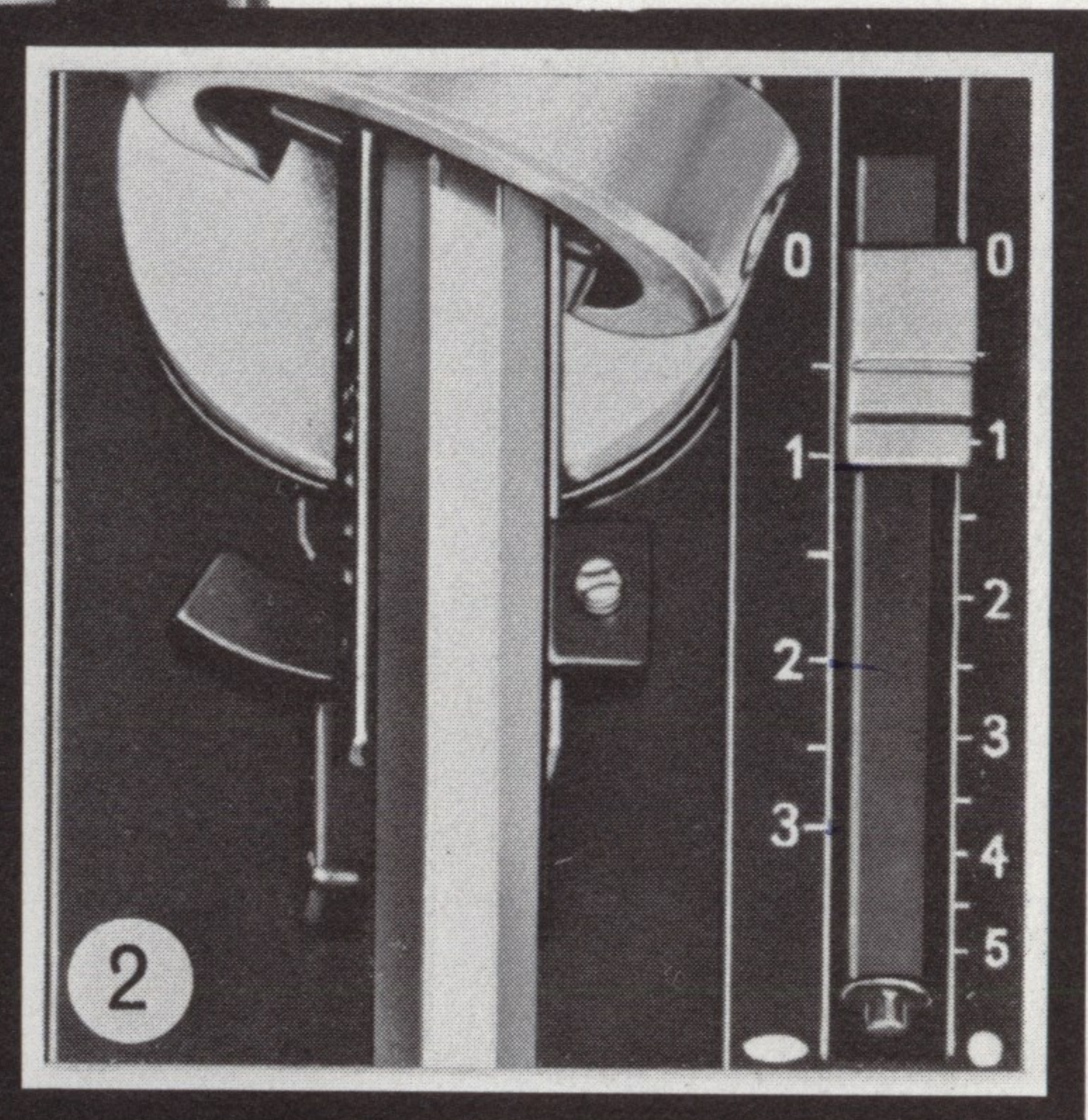
Rumble (relative to 1.4 cm/sc @ 100Hz)

better than -49dB.





Model AP 78



Model SP25 Mk III

The SP25 series has proved to be probably the most popular of its type in the world, particularly in the audio separates field. Like its predecessors, the SP25 MK III makes advanced design trends available to the popular equipment market. In addition to manual operation this unit includes the facility for automatic play of single records.

Styled in black and silver, this moderately priced three-speed ($33\frac{1}{3}$, 45 and 78 rev/min) single-play unit is within DIN45-500 Hi-Fi performance standards.

The tubular low-resonance, aluminium pickup arm is counterbalanced with a resiliently mounted weight, and stylus force is adjusted by a dial-type knurled knob finely calibrated from 0 to 5 grams (Fig. 1).

Bias-compensation is set with a finger-tip adjustment (Fig. 1) and the scale is calibrated to correspond with the applied stylus force.

The lever type cue and pause system (Fig. 2) is fluid damped for gently lowering the pickup on to the surface of the record. When a record has been played the arm returns to its rest and the unit switches off automatically. The slide-in cartridge carrier facilitates stylus inspection and the interchange or replacement of cartridges.

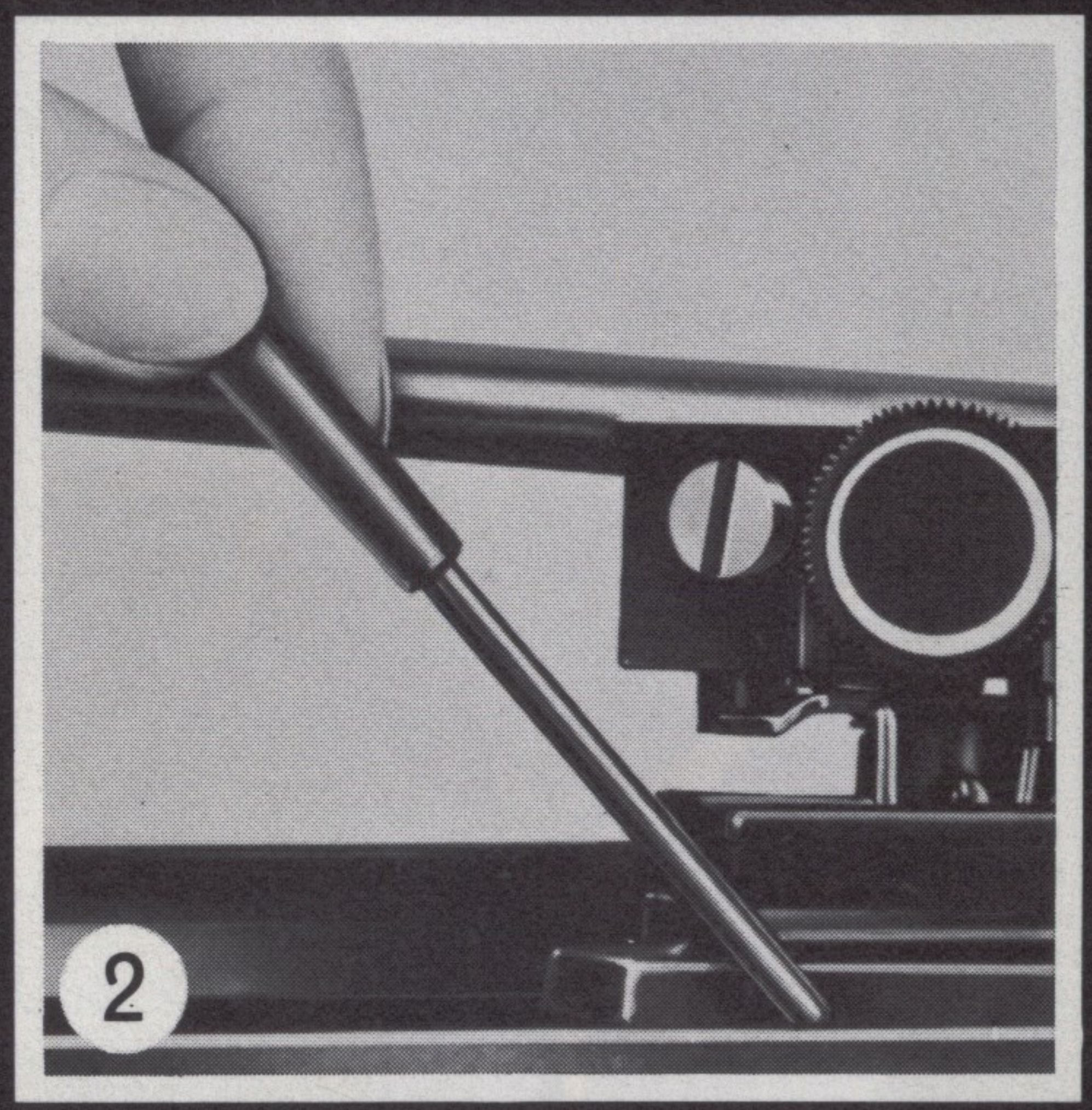
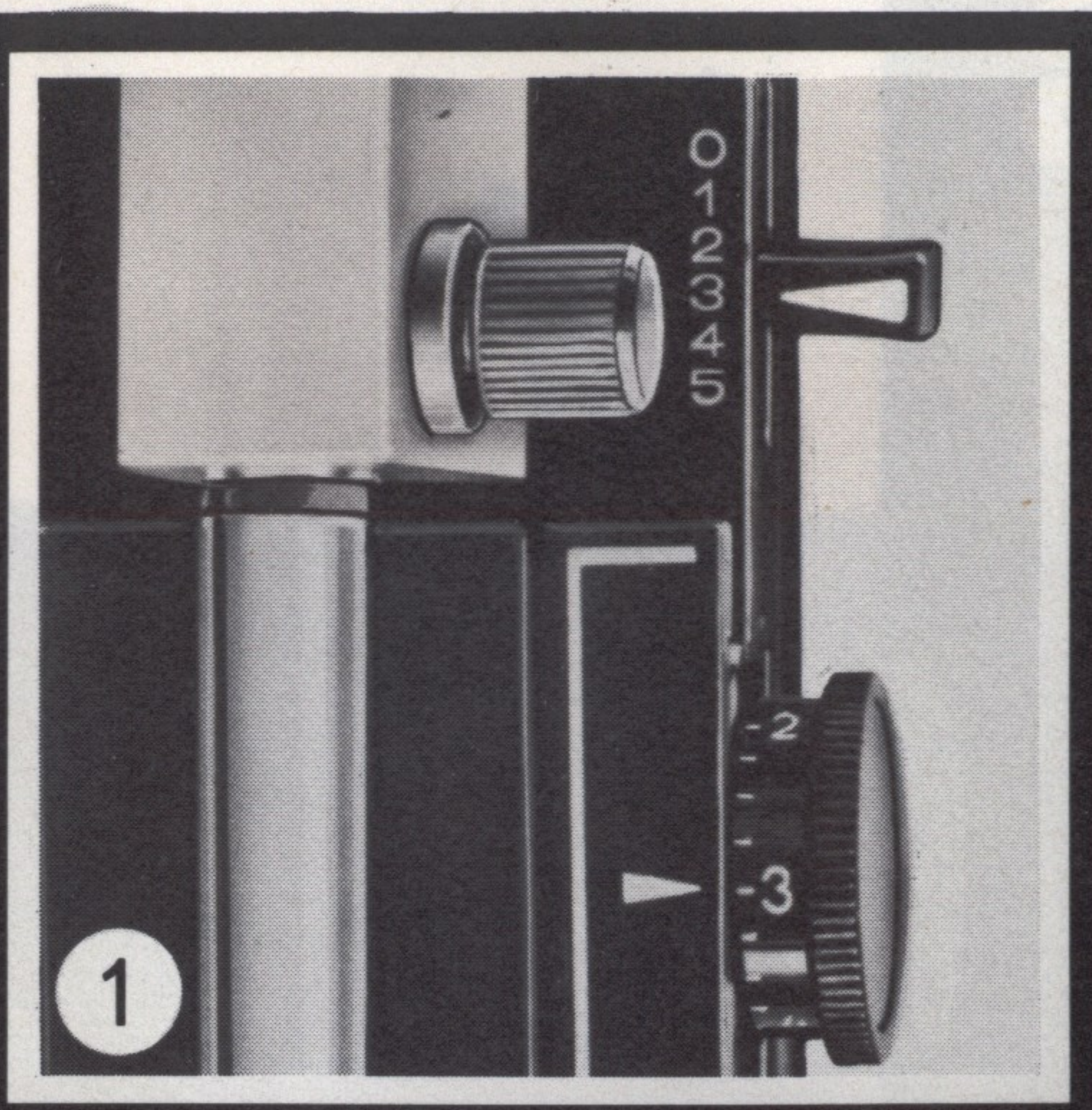
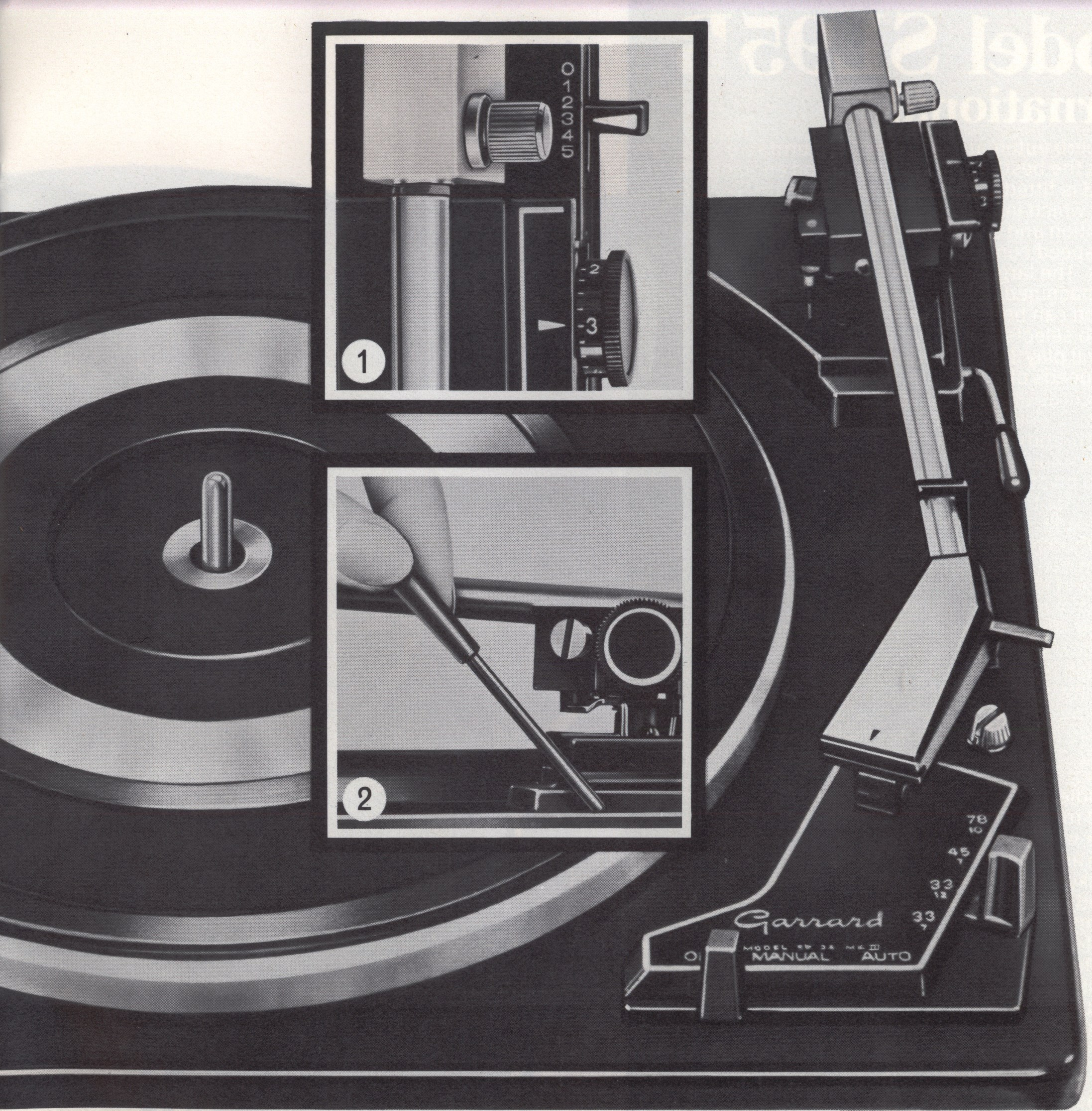
The $10\frac{1}{2}$ -inch aluminium turntable is driven by the well-proven Garrard 4-pole induction motor.

Size (including maximum rear and side overhang of pickup arm): $15\frac{1}{16}$ in (383 mm) wide by $12\frac{1}{2}$ in (317 mm) front to rear by $2\frac{7}{8}$ in (73 mm) above and $2\frac{1}{8}$ in (54 mm) below lower edge of unit plate.

Performance:

Wow and flutter better than 0.14% r.m.s.
Rumble (relative to 1.4 cm/sec @ 100Hz)
better than -46dB.





Model 25
International

Garrard
MODEL 25 M.E. II
MANUAL AUTO

78
10
45
1
33
12
33
7

Model SL95B International

This superb automatic transcription turntable represents the best in Garrard design and engineering. The SL95B is fitted with the patented Garrard Synchro-Lab motor which incorporates the best features of both induction and synchronous motors and holds the turntable speed constant within the most stringent tolerances. The large diameter aluminium turntable is carefully machined.

Operation can be either manual or automatic and a single knob selects both playing speed and record size. The unit will play 12-inch, 10-inch or 7-inch records singly at speeds of $33\frac{1}{3}$, 45 or 78 rev/min or up to six 12-inch records of identical speed automatically. The pickup arm is weight counterbalanced and beautifully constructed from aluminium with decorative Afrormosia wood inset. It floats within gimbals on jewel-like needle pivots. The arm is positively locked on its rest by an unobtrusive lever situated at the base of the pickup rest.

The SL95B incorporates the patented Garrard pickup arm bias compensator calibrated for both spherical and elliptical styli. Compensation is applied by moving a weight along a lever to correspond with stylus force (Fig. 1). Stylus force calibration is precise and a window scale calibrated from 0 to 5 grams is incorporated in the pickup arm (Fig. 1). An adjustable wheel having click stops at $\frac{1}{4}$ -gram intervals is used.

The cueing/pausing mechanism is fluid damped and lifts and lowers the pickup arm with utmost gentleness in both manual or auto play. The SL95B has an improved two-point record support system which handles up to six 12-inch records with greater safety and more reliability than ever before.

The slide-in cartridge carrier facilitates stylus inspection and interchange or replacement of cartridges.

A few silky motions of the finger-tip tab controls (Fig. 2) and the SL95B translates its superb engineering into the finest sound reproduction of the actual performance. Finished in black and silver this unit complements the most ambitious of Hi-Fi unit audio combinations.

Size: (including maximum rear and side overhang of the pickup arm) $15\frac{5}{16}$ in (389 mm) wide, $14\frac{1}{8}$ in (359 mm) front to rear. $4\frac{1}{8}$ in (105 mm) above and $2\frac{1}{16}$ in (75 mm) below lower edge of unit plate.

Performance:

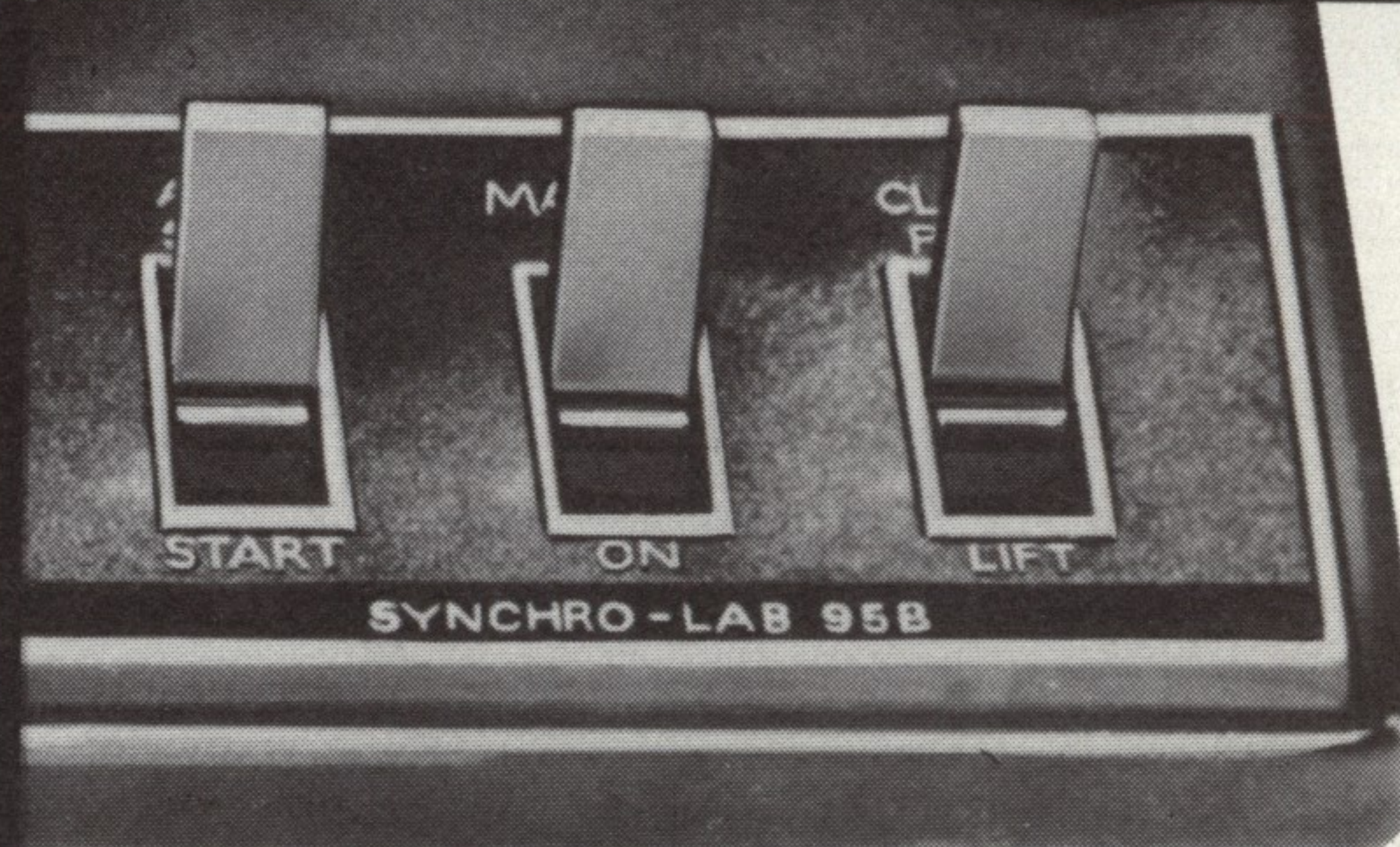
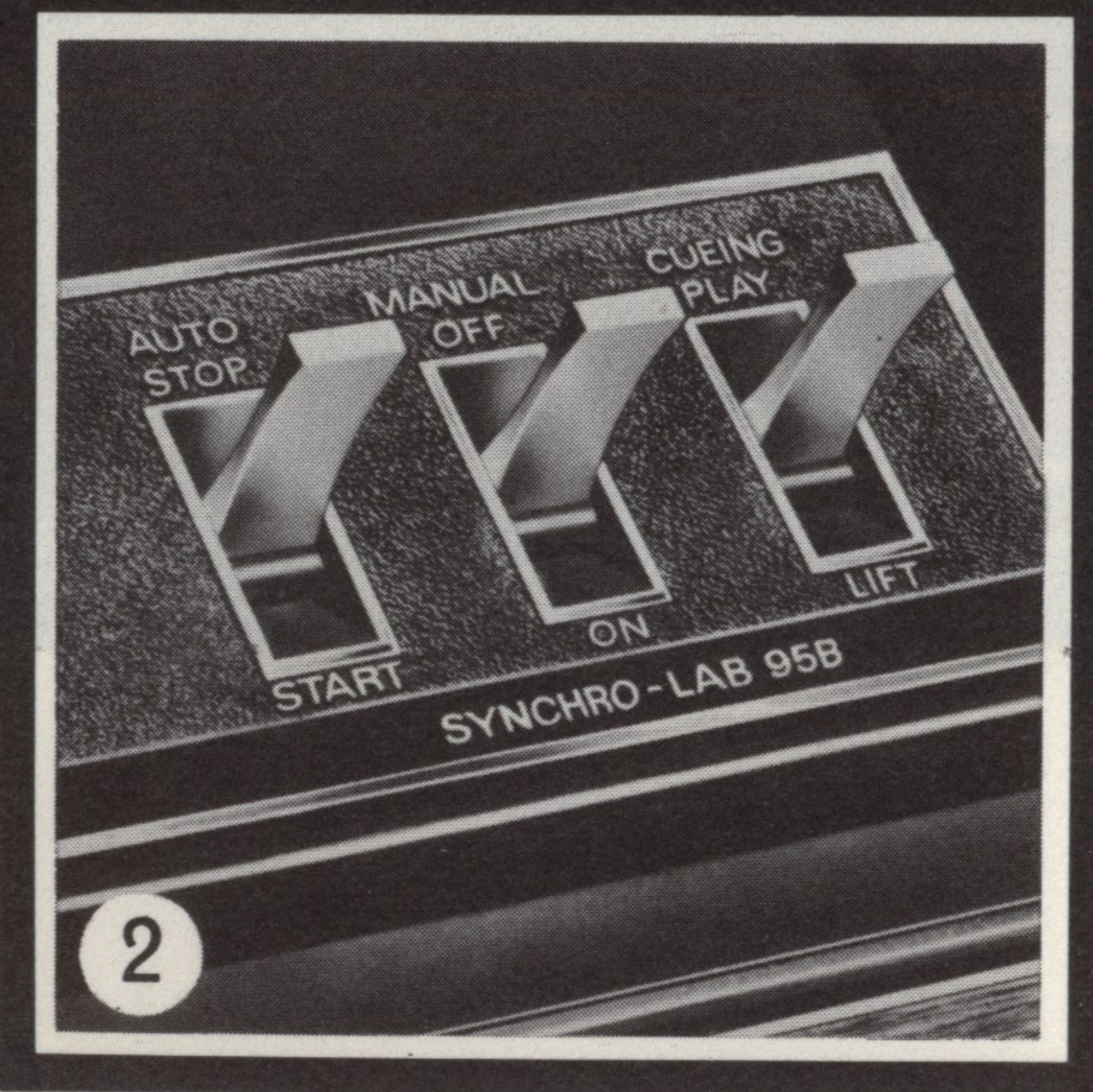
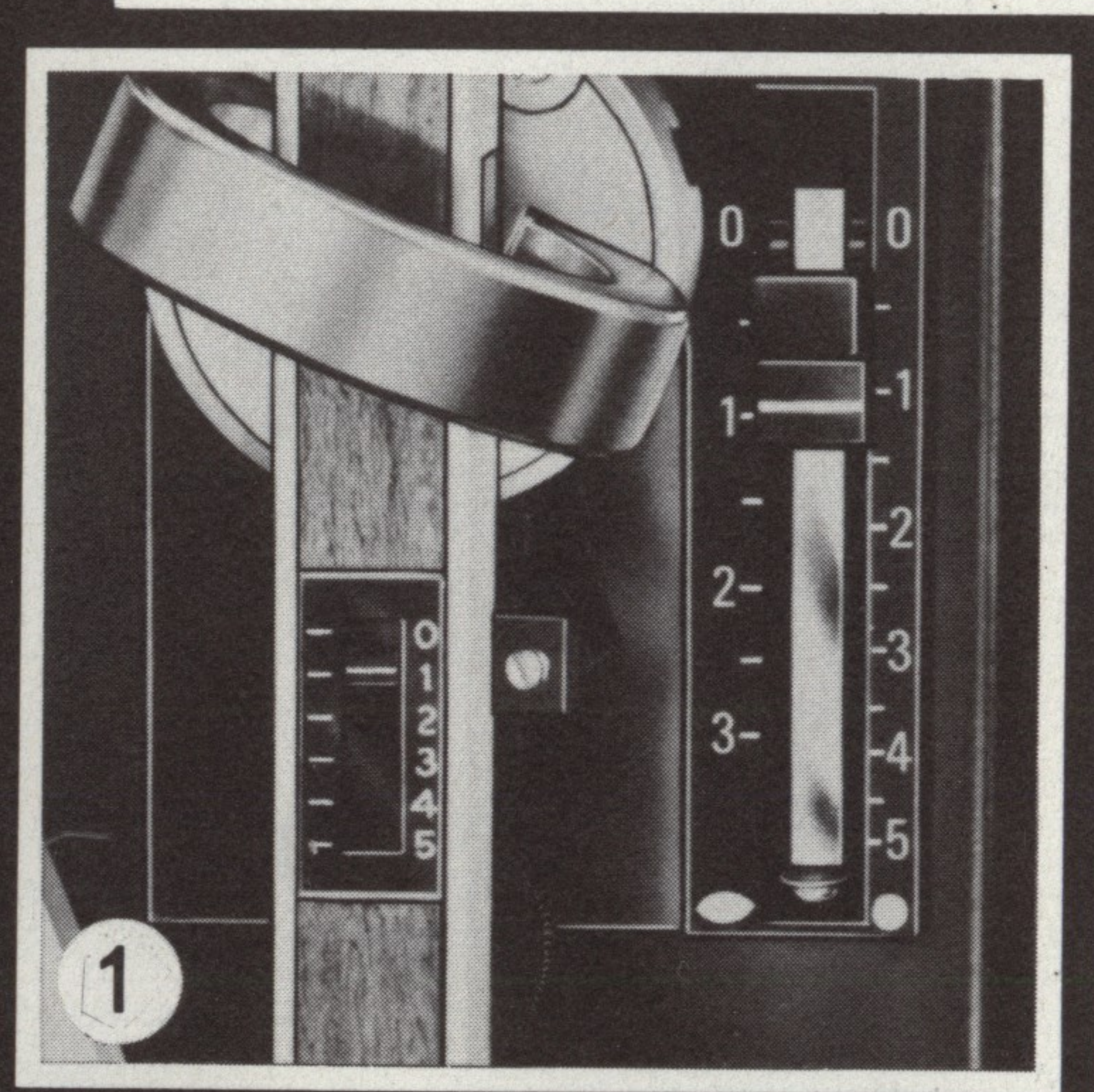
Wow and flutter better than 0.1% r.m.s.
Rumble (relative to 1.4 cm/sec @ 100Hz)
better than -49dB.





Model 95B

SERIES AUTOMATIC TRANSCRIPTION TURNTABLE
Made in England



Model SL72B

The SL72B is for the budget-minded perfectionist who wants his deck to have transcription turntable engineering but, at the same time, the facility for automatic play.

12-inch, 10-inch or 7-inch records can be played manually or automatically on the SL72B at $33\frac{1}{3}$, 45 or 78 rev/min. In addition, up to eight 12-inch records of identical speed can be handled automatically. Both record size and turntable speed are selected on a single control, and tab controls independently select operation for automatic play, manual play, and cue and pause.

The turntable, which is aluminium, is powered by the Garrard Synchro-Lab motor, ensuring constant speed and silent running.

The pickup arm is aluminium and hexagonal in section. It is counterbalanced by a resiliently mounted decoupled weight with fine adjustment (Fig. 1). The unit embodies an integral stylus force gauge calibrated for 0 to 5 grams (Fig. 2). The pickup arm bias compensator is calibrated for both spherical and elliptical styli using the Garrard patented sliding-weight adjustment.

Fluid-damped cue and pause control gently lowers the pickup arm, providing protection for records and stylus.

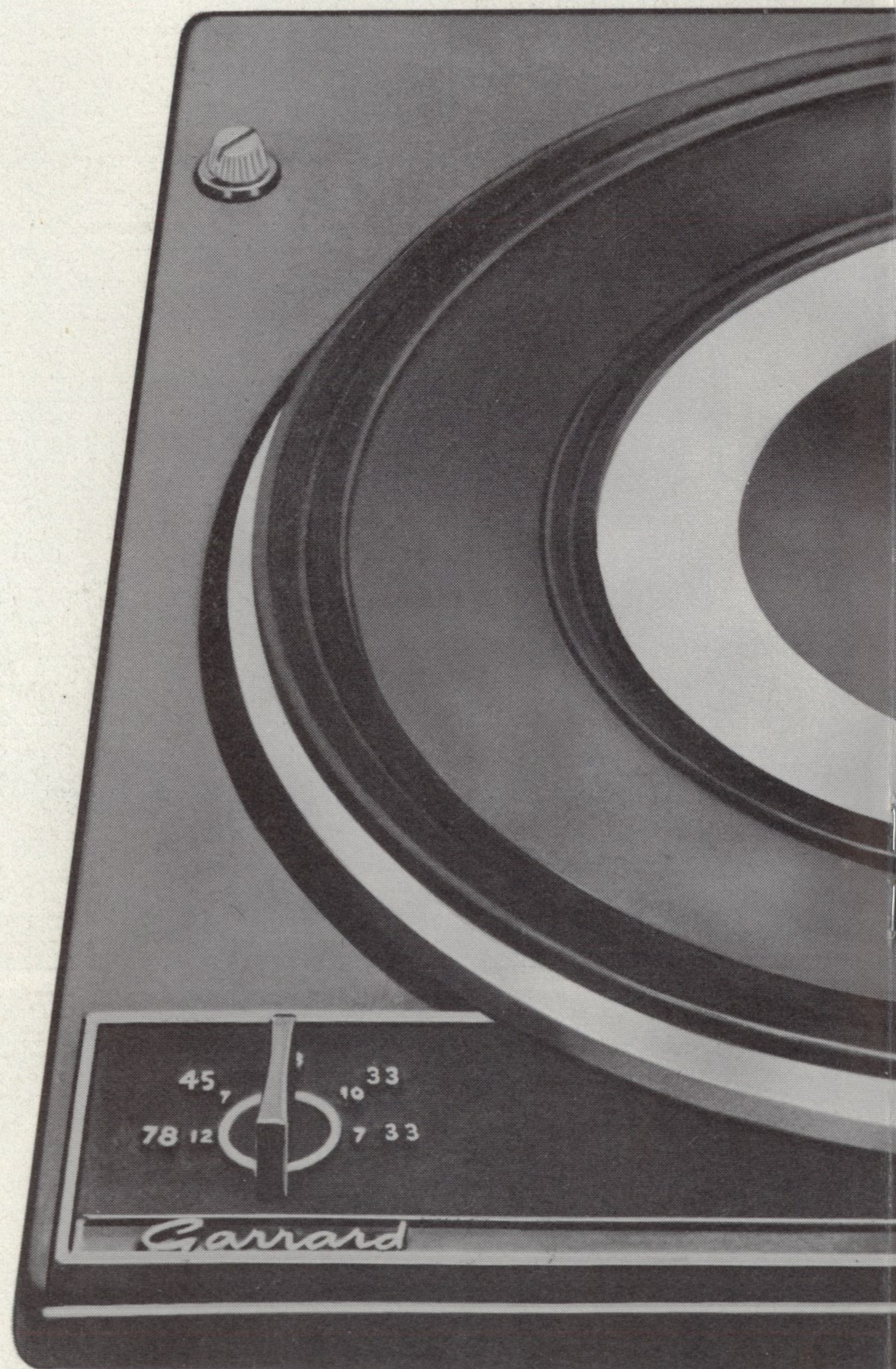
The SL72B has a slide-in cartridge carrier making stylus inspection and replacement quick and easy.

Finish is black and silver. The sophisticated gimballed pickup arm mount adds to the unit's distinctive appearance as well as providing low-friction operation.

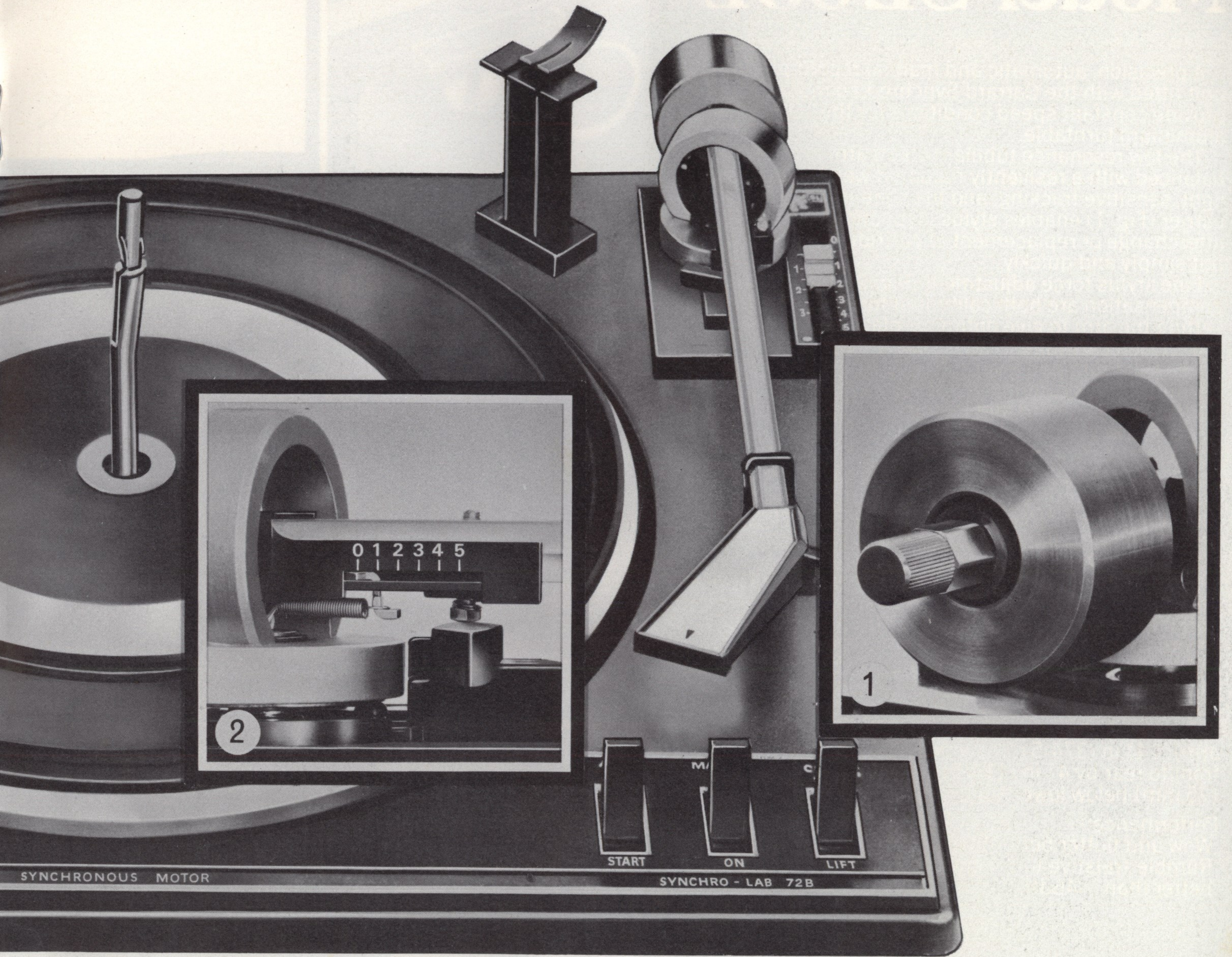
Size (including rear and side overhang of pickup arm): $14\frac{9}{16}$ in (370 mm) wide by $12\frac{11}{16}$ in (322 mm) front to rear by $4\frac{1}{16}$ in (103 mm) above and $2\frac{15}{16}$ in (75 mm) below lower edge of unit plate.

Performance:

Wow and flutter better than 0.12% r.m.s.
Rumble (relative to 1.4 cm/sec @ 100Hz)
better than -49dB.



Model SL65B



SYNCHRONOUS MOTOR

START

M/ON

ON

LIFT

SYNCHRO - LAB 72B

2

1

Model SL65B

A precision, automatic and manual record-playing unit fitted with the Garrard Synchro-Lab motor to provide constant speed conditions for the 10½-inch aluminium turntable.

The low resonance tubular pickup arm is counter-balanced with a resiliently mounted weight to permit light, sensitive tracking, and the slide-in cartridge carrier (Fig. 1) enables stylus inspection and the interchange or replacement of cartridges to be carried out simply and quickly.

Fine stylus force adjustment (Fig. 2) and bias compensation are both calibrated for accurately setting the arm to give optimum playing conditions for the chosen cartridge.

The fluid-damped lever-type cue and pause control ensures gentle lowering of the pickup to the surface of the record and the record-stabilizing overarm swings back out of the way for more convenient single-record play.

Up to eight 12-inch 33⅓ rev/min, 7-inch 45 rev/min, 7-inch 33⅓ rev/min or 10-inch 78 rev/min records of the same speed, size and stylus setting can be played at one loading; single records can be repeated automatically.

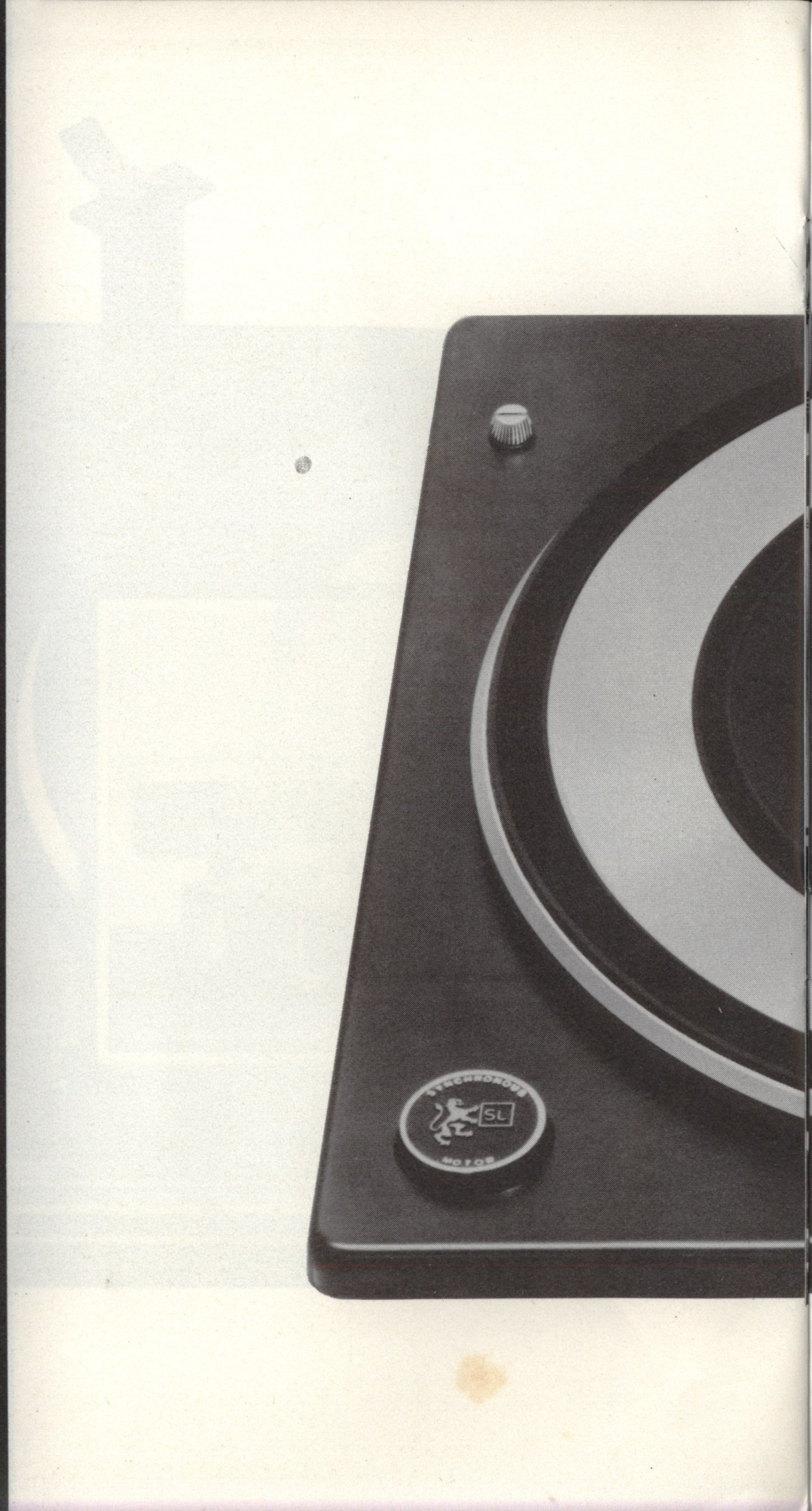
A short spindle is supplied for single-record play and an automatic adaptor FLRS35 is available as an optional extra for playing large centre-hole 45 rev/min records.

Precision engineering is reflected in the styling of the SL65B, which is elegantly finished in black and silver.

Size (including rear and side overhang of pickup arm): 14¾ in (374.5 mm) wide by 12½ in (317.5 mm) front to rear by 4½ in (114.5 mm) above and 2⅛ in (75 mm) below lower edge of unit plate.

Performance:

Wow and flutter better than 0.14% r.m.s.
Rumble (relative to 1.4 cm/sec @ 100Hz)
better than -46dB.

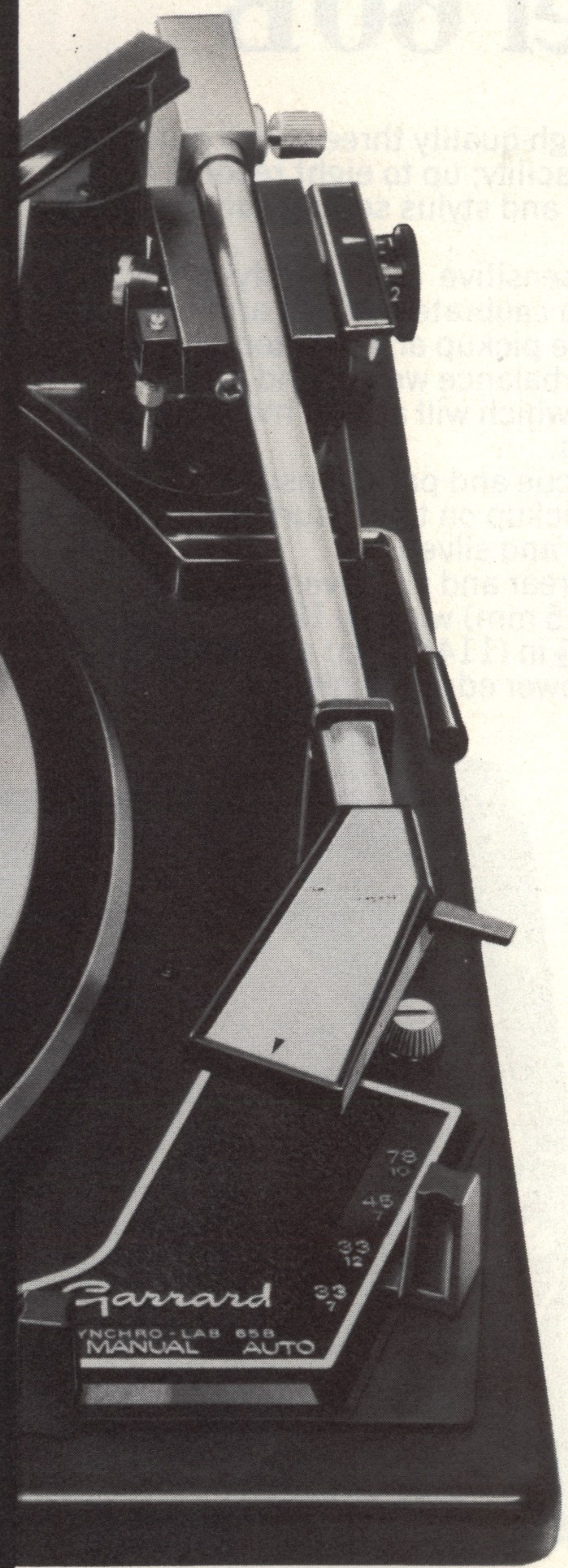
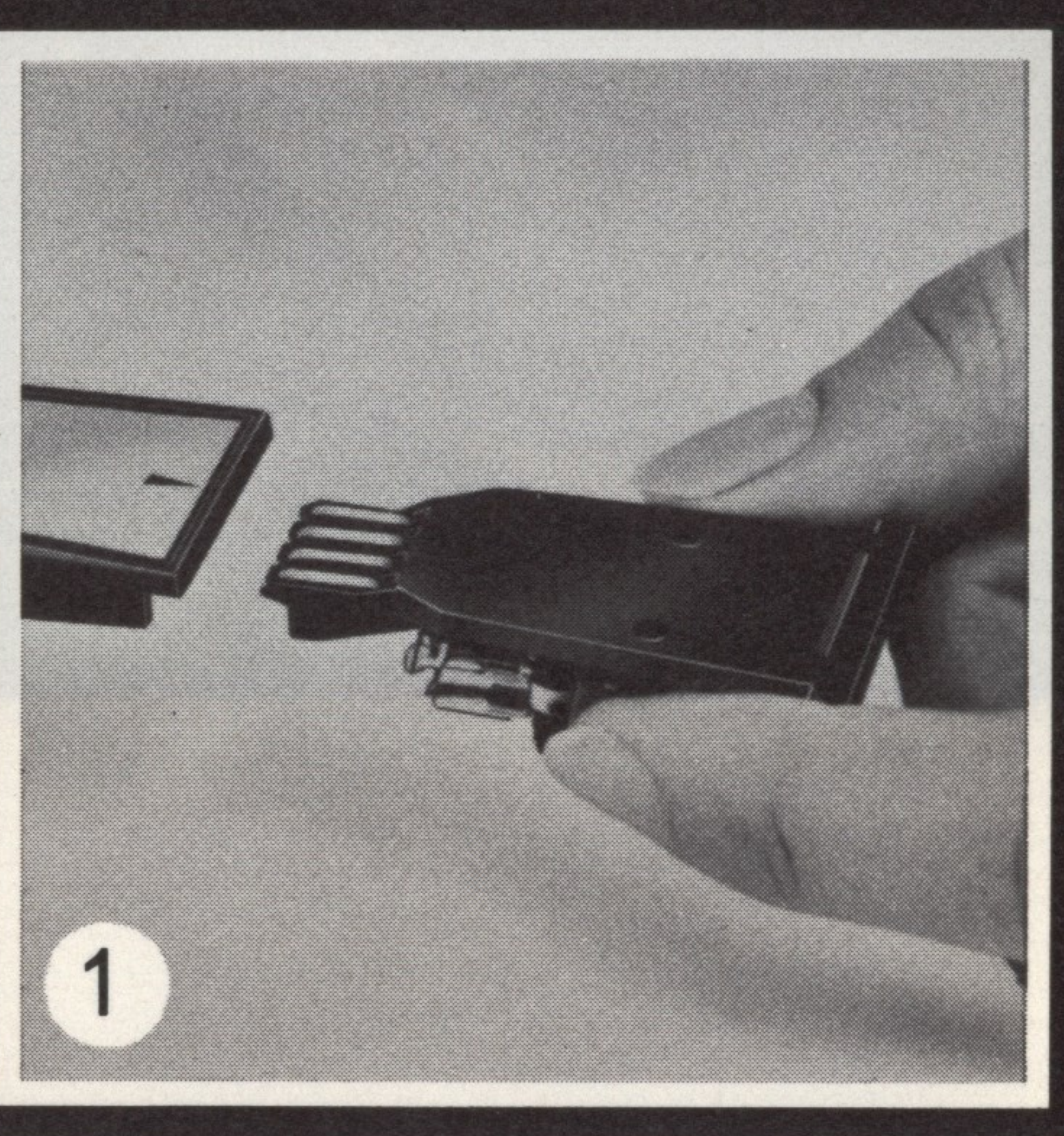
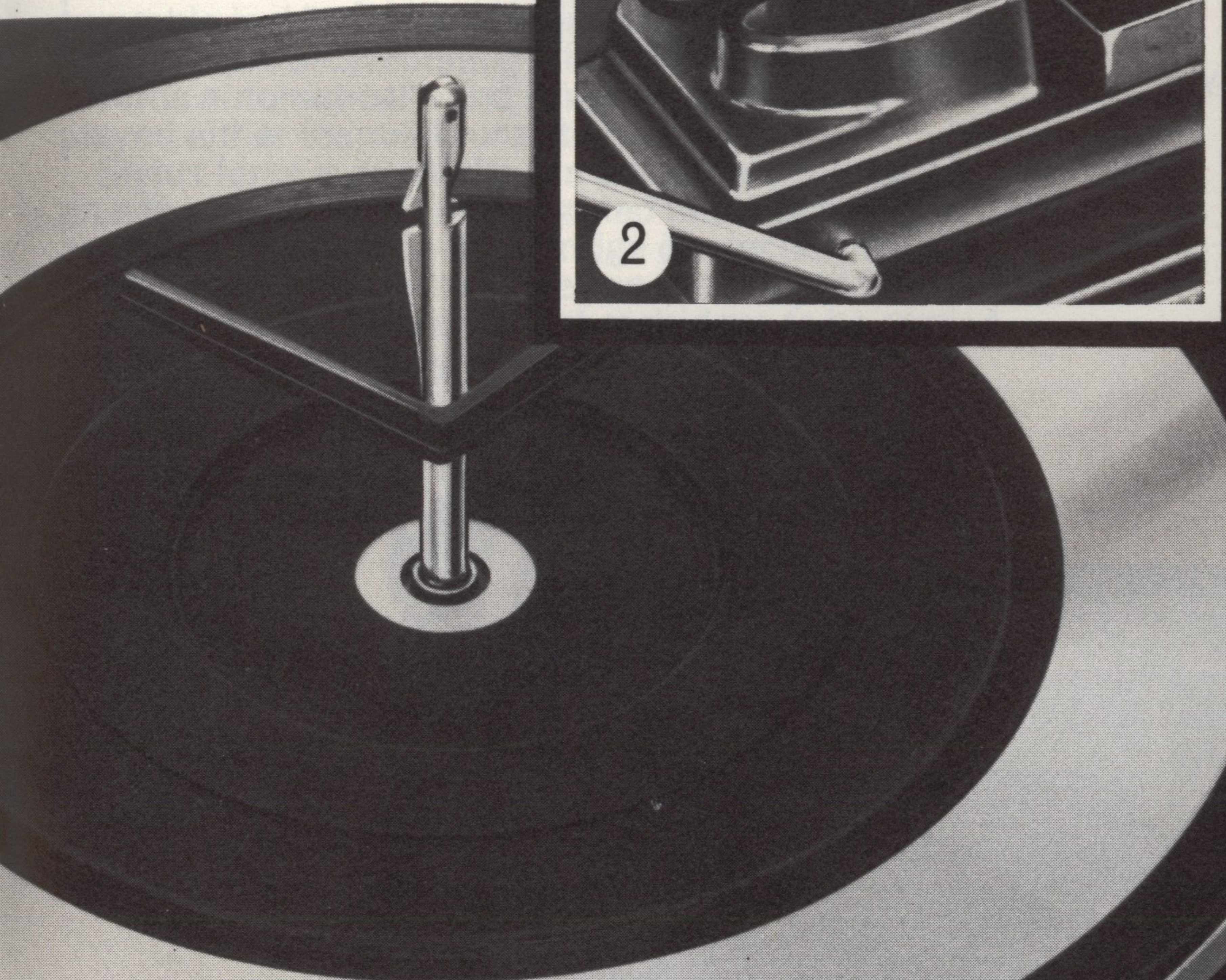


Model 4

Model 60B

The 40B is a high quality fine
with single play facility, up to
same speed, size and style
automatically.

The 40B is a high quality fine
with single play facility, up to
same speed, size and style
automatically.
It includes a sensitive
adjustment and a balance
compensator. The pickup
remains in constant balance
with the center which will
pick up records.
A hand-cranked cue and
locking of the pickup
is in black and silver
and including rear and
and 183 in (37.5 mm)
front to rear by 4 1/2 in (11
100 mm) below lower



Model 60B

The 60B is a high-quality three-speed auto-player with single play facility; up to eight records of the same speed, size and stylus setting can be played automatically.

It embodies a sensitive dial-type stylus force adjustment and a calibrated pickup arm bias compensator. The pickup arm is fitted with a resiliently mounted counterbalance weight and a slide-in cartridge carrier which will accept most makes of pickup cartridges.

Fluid-damped cue and pause ensures gentle lowering of the pickup on to the surface of the record. Finish is in black and silver.

Size, including rear and side overhang of pickup arm: $14\frac{3}{4}$ in (374.5 mm) wide by $12\frac{1}{2}$ in (317.5 mm) front to rear by $4\frac{1}{2}$ in (114.5 mm) above and $2\frac{3}{4}$ in (70 mm) below lower edge of unit plate.



Model 40B

The 40B cleverly combines function with style. Attractively finished in black and silver this three-speed automatic record-changer incorporates cue and pause facilities for gently lowering or raising the pickup arm at any part of the record. The 10½-inch turntable is driven by a Garrard induction motor to give smooth, silent running. The unit plays up to eight records automatically and single records can be played either manually or automatically.

Stylus force is applied by an adjustable control with an easy-to-read scale incorporated in the pickup arm assembly. And a slide-in cartridge carrier permits rigid construction of the arm as well as enabling the interchange or replacement of cartridges to be carried out simply and quickly.

Size: 14 $\frac{1}{16}$ in (357 mm) wide by 11 $\frac{11}{16}$ in (297 mm) front to rear by 4 $\frac{5}{16}$ in (109.5 mm) above and 2 $\frac{3}{4}$ in (70 mm) below lower edge of unit plate.



Model 2025 TC

The 2025TC plays as good as it looks. And it looks great with a contrasting black and silver finish enhancing its contemporary design.

This four-speed auto-changer plays up to eight 12-inch, 10-inch or 7-inch records at the same speed and stylus setting automatically. The slim, tubular low-mass pickup arm, which exhibits exceptionally good tracking capabilities, is suitable for use with high-compliance cartridges.

Features include cue and pause control – enabling the pickup arm to be raised or lowered at any part of the record and reduces risk of damage to the stylus or record, due to careless handling.

Size: $13\frac{1}{2}$ in (343 mm) wide by $11\frac{3}{8}$ in (289 mm) front to rear by $4\frac{3}{16}$ in (106.5 mm) above and $2\frac{1}{8}$ in (54 mm) below lower edge of unit plate.



Model 2025 T and 1025 T

The 2025T is a compact, attractively styled, four-speed record changer.

This model is specially suitable for the person requiring an inexpensive turntable which offers excellent tracking capabilities and good sound reproduction qualities.

Features include a tubular aluminium pickup arm designed for use with high-compliance cartridges, the proven Garrard induction motor and the facility for playing up to eight 12-inch, 10-inch or 7-inch records at the same speed and stylus setting automatically.

Size: $13\frac{1}{2}$ in (343mm) wide by $11\frac{3}{8}$ in (289mm) front to rear by $4\frac{3}{16}$ in (106.5mm) above and $2\frac{1}{8}$ in (54mm) below lower edge of unit plate.

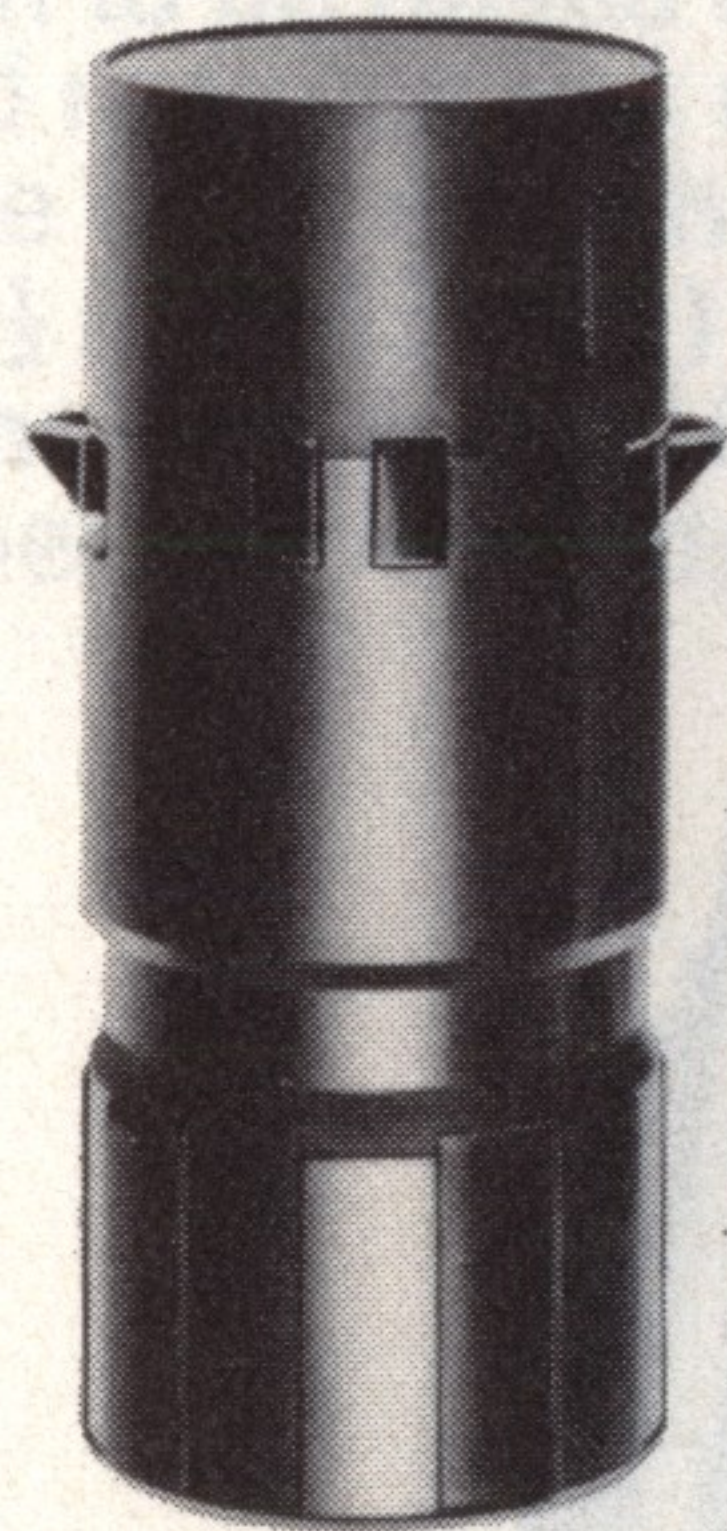
The 1025T is identical to the 2025T but has a smaller turntable.



Spindles/Adaptors

For records having 1½-inch (38 mm) diameter centre holes, large record spindles for automatic and adaptors for manual (single) play are available as indicated on the feature comparison chart.

Platform adaptors are available for the SL72B and SL95B models to facilitate the automatic play of 10-inch and 7-inch records having the standard small centre holes.



LRS25



LRS20



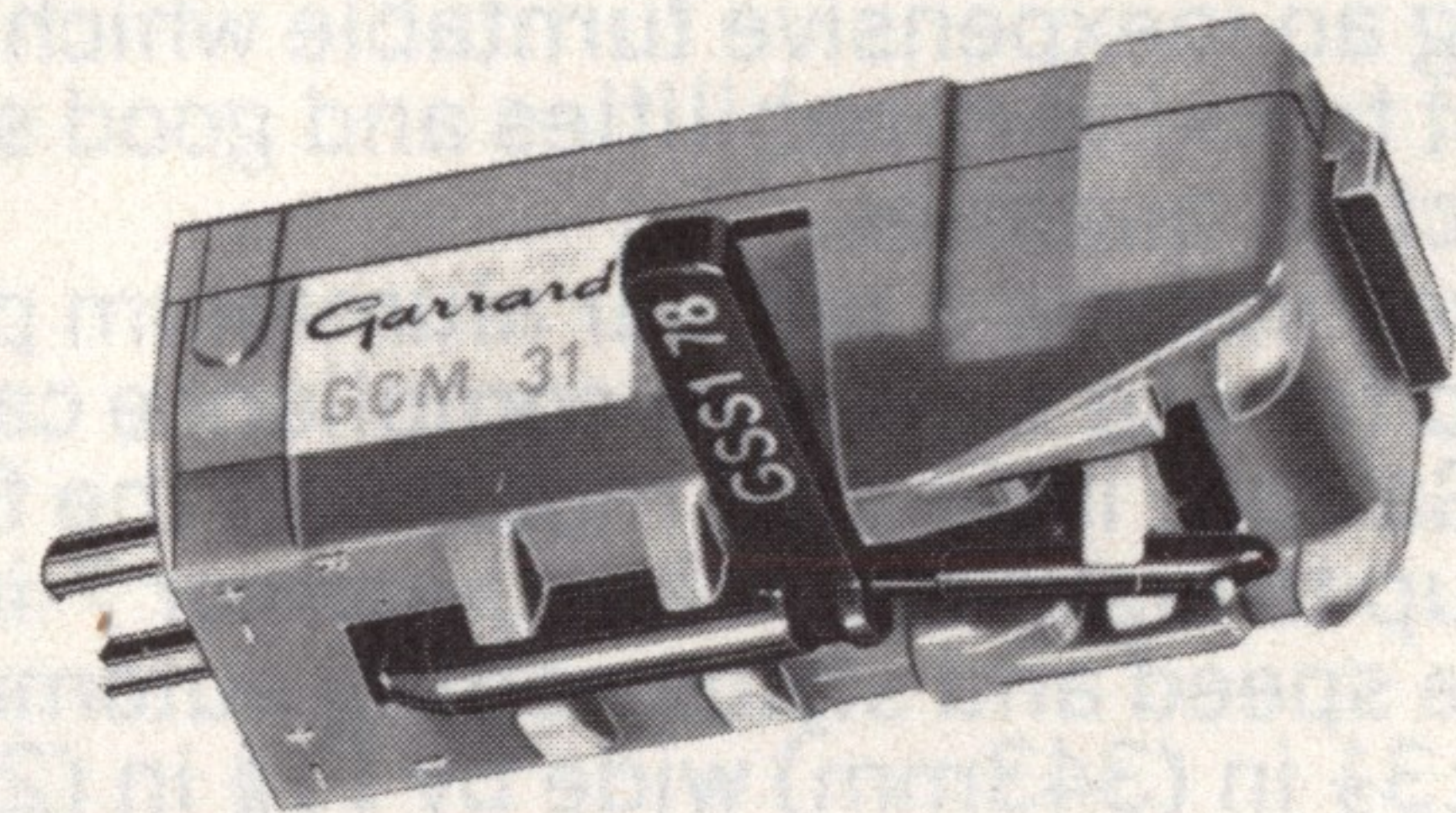
7-inch 45 rev/min adaptor



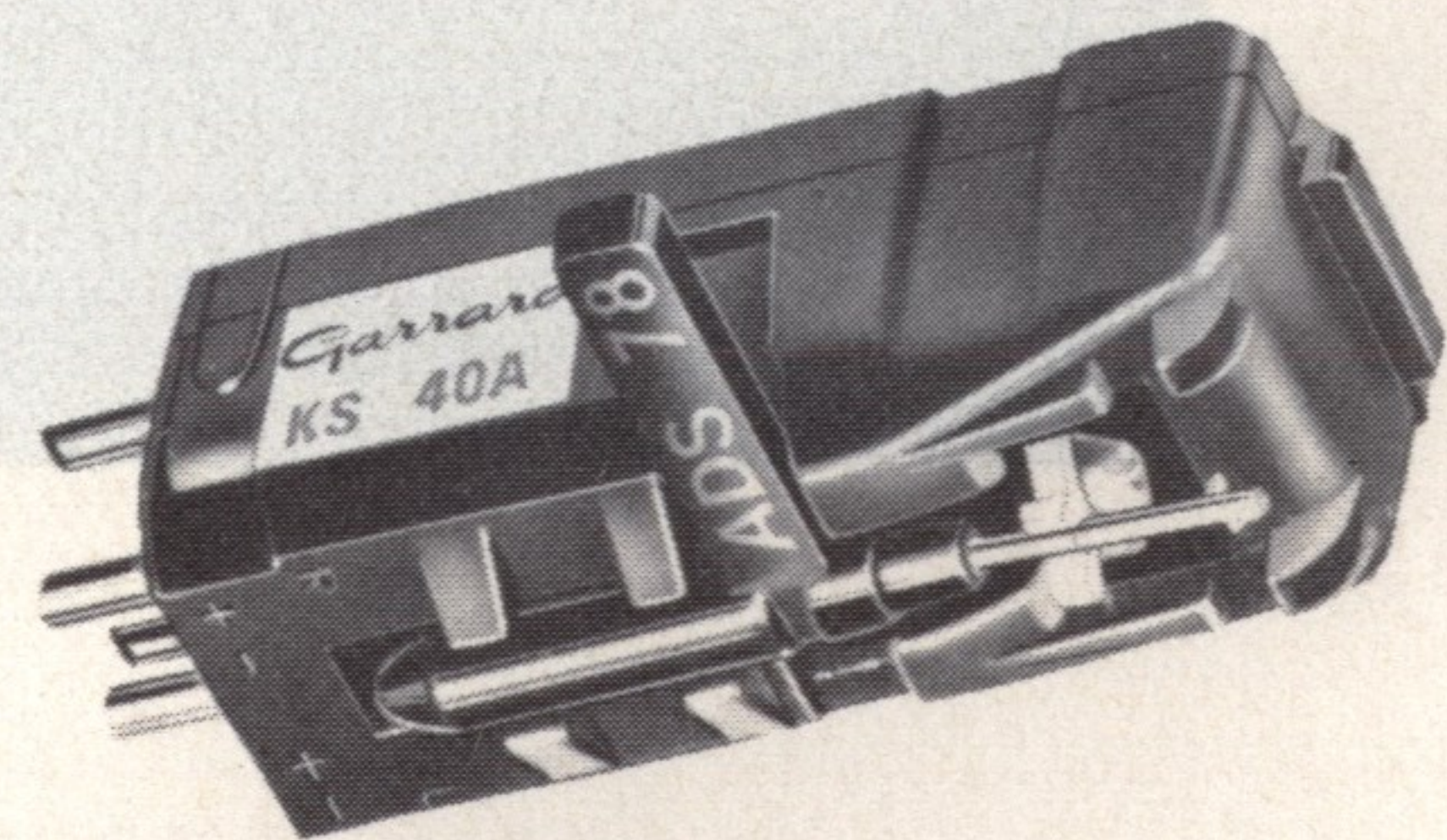
FLRS35

Cartridges

A range of inexpensive Garrard pickup cartridges has been developed for use with popular record-playing units. Brief details are given below and a leaflet with full specification and performance figures is available on request.

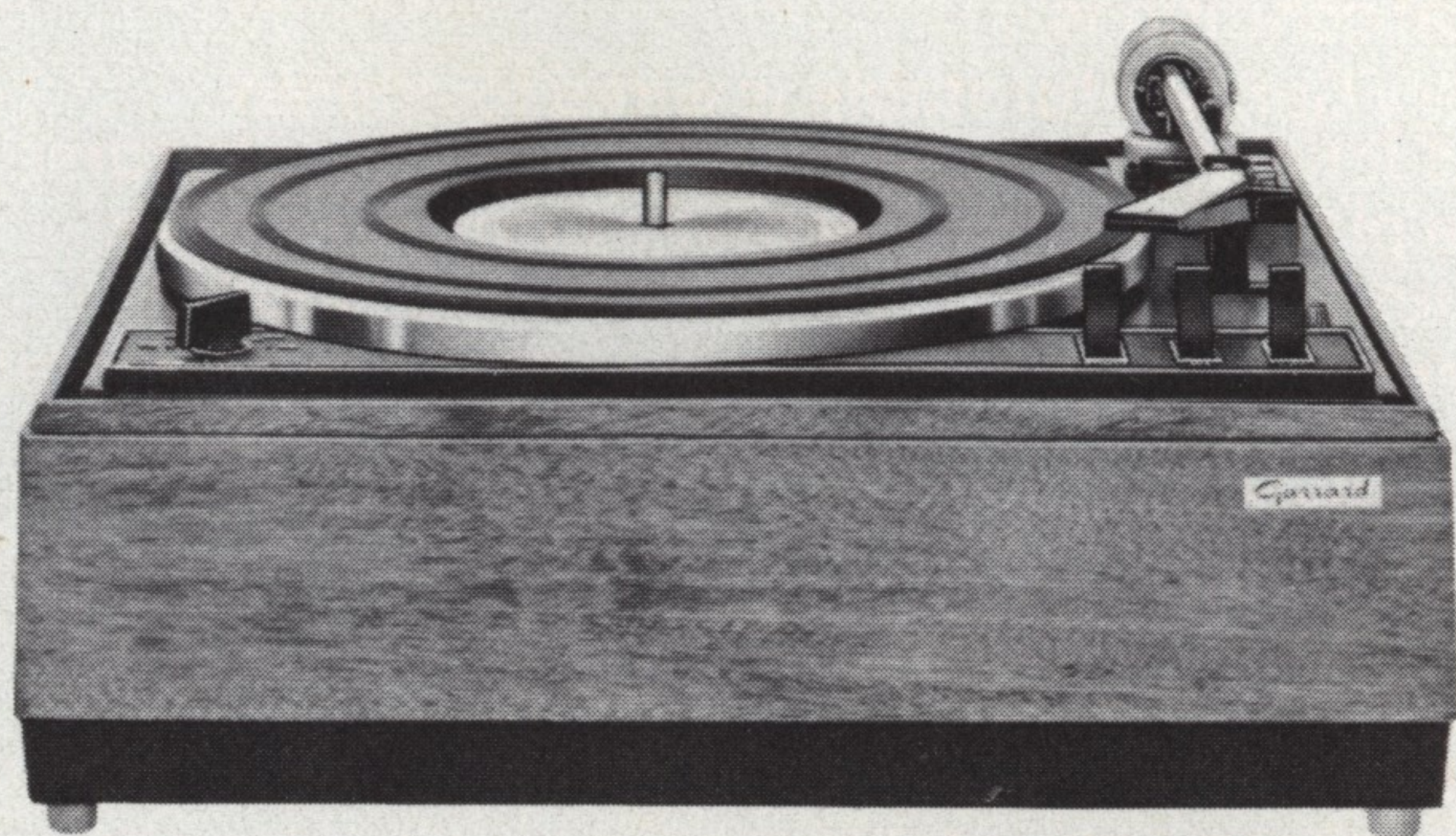


- GCM31 A high-output mono crystal pickup cartridge which is suitable for playing both mono and stereo records for monophonic reproduction.
- GCS36 A medium high-output stereo crystal pickup cartridge.
- GCS38 A medium-output stereo crystal pickup cartridge giving a good frequency response and tracking ability.
- KS40A A high-output ceramic stereo pickup cartridge having good separation and frequency response.
- KS41B A stereo ceramic pickup cartridge having a medium stylus compliance with a good frequency response and separation.
- KS41C This is a high-compliance ceramic stereo pickup cartridge having very good tracking characteristics with excellent frequency response and separation.



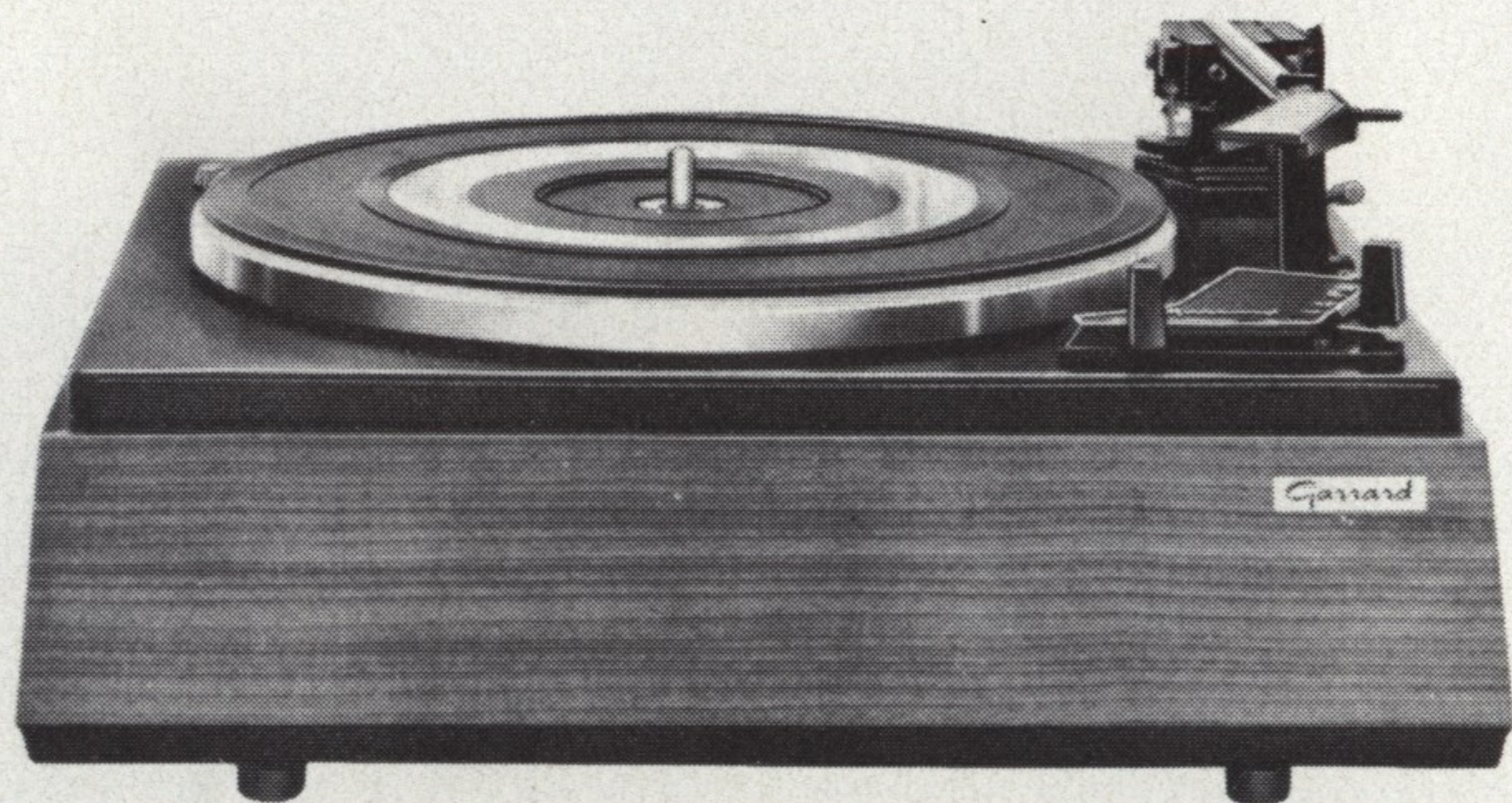
Bases

Combining contemporary furniture styling with good old-fashioned functionalism, these slim-profile bases are made from natural wood and have a matt teak finish. Bases are supplied ready cut out and instructions as to how your Garrard deck should be fitted are included. Leads, cord grips and plugs are not supplied; these should be obtained from your Hi-Fi dealer who will advise you on what best suits your requirements.



Types and sizes

WB4 MKII For Models AP76, SL72B, SL95B.
15 in (381 mm) x 15 in (381 mm)
x 4 $\frac{1}{4}$ in (108 mm).



WB1 For Models 1025T, 2025T, 2025TC, 40B, 60B, SP25 MKIII, SL65B.
14 in (356 mm) x 12 $\frac{1}{4}$ in (311 mm)
x 3 $\frac{3}{16}$ in (81 mm).

Covers

Injection-moulded plastic covers in heavy transparent polystyrene, the Garrard design covers offer exceptional durability and beauty to your entire Hi-Fi system.

Types and sizes

SPC4 MKII Fits the WB4 MKII, and has the added attraction of allowing records to be played while it is in position.

15 $\frac{5}{8}$ in (397 mm) x 14 $\frac{7}{8}$ in (377 mm)
x 4 $\frac{7}{16}$ in (113 mm).

SPC1

Fits the WB1 base, but protects the unit from dust only when not in use.

14 in (356 mm) x 12 $\frac{1}{2}$ in (317 mm)
x 4 $\frac{11}{16}$ in (119 mm).



EXTRAS

General information

Motors

All units are fitted with precision-built Garrard electric motors specially designed to give exceptionally smooth, silent running. Rotors are dynamically balanced to a high degree of accuracy, the shafts are superfinished and the self-aligning bearings are of oil-retaining sintered bronze.

Motors for the units described in this leaflet can be of the synchronous or two- or four-pole a.c. induction type. The type of motor fitted to each unit is shown on the comparison chart. Low Range refers to 110-125V, High Range to 220-240V and High and Low Range combines both by means of a voltage changeover block. Units fitted with four-pole induction and synchronous motors listed as High Range models are also available as Low Range versions to special order.

On Model 401 and those with Synchro-Lab motors these ranges are 110-125V and 220-250V. Power consumption is from 8 to 12W according to the type of motor. Frequency can be either 50 or 60Hz which should be specified when ordering.

Records

Number of records played automatically depends on type of cartridge fitted and thickness of records.

Sizes

The actual dimensions of the unit are given and where applicable include the rear and side overhang of the pickup arm.

Clearances required when spring mountings are fitted will be obtained by adding $\frac{1}{2}$ -inch (12 mm) to all dimensions. This will give $\frac{1}{4}$ -inch (6 mm) below, allowing unit to float freely and to be clamped for transit.

According to the design of cabinet or case, additional clearance may be required for 12-inch records and for removal of record spindle.

Performance

At the present time there is no internationally agreed method of measurement for the performance characteristics of record-playing units. Such information we do give can be used to compare models in the Garrard range but should not be used to compare the merits of units made by other manufacturers.

■ Every Garrard turntable is 100% inspected on the very latest electronic test equipment to ensure that it conforms to the high standard of quality and reliability for which Garrard are renowned.

■ Every Garrard turntable has been specially designed to meet specific and exacting requirements, giving a range of turntables which embraces the finest transcription units and the popular price players.

■ Every Garrard turntable is suitable for use in tropical conditions.

■ Every Garrard turntable is wired for stereo reproduction (although mono records can, of course, still be played) and all automatic turntables have facilities for manual (single record) operation.

■ Every Garrard turntable is supplied with a template (giving all dimensions), transit or fixing screws, installation and operating instructions. Spring mountings are fitted to all units except the Model 401. Units supplied without cartridge should be fitted with the cartridge of your choice. For advice, consult your dealer.

■ Every Garrard turntable is designed to play records conforming to I.E.C. Publication 98, BS1928:1965, and equivalent national standards.

Garrard
A PLESSEY QUALITY PRODUCT



Garrard, Newcastle Street, Swindon, Wiltshire
Telephone: Swindon (0793) 5381
Plessey Consumer Electronics Division