Direct drive disc player MR-711

OPERATING MANUAL

We would like to thank you for the confidence shown in Micro products by your purchase of the MR-711 Turntable. You are now the owner of one of today's most outstanding items of high fidelity equipment which we trust will give you long dependable service and help to make your hi-fi listening an enjoyable experience.

In addition to its excellent basic performance, the MR-711 has many outstanding features including an aluminium die-cast chassis, feather-touch operating buttons, electronic speed control with meter display, a turnover type accessory pocket, independently height adjustable shock absorbers, and of course a unique appearance consistent with the most modern design standards.

Before using your turntable may we suggest that you spend a few minutes studying the various points listed in order that you may obtain the best use from this exclusive product.

① AC POWER ON/OFF SWITCH

Press lightly to switch the unit on. The speed control meter will be illuminated to show that this has been done, but the turntable will not operate yet. Press again to switch the power off.

② SPEED SELECTOR FOR 33⅓ r.p.m.

This should be pressed if 33⅓ r.p.m. is the required speed. The turntable will commence rotation.
See note 5 for speed adjustment.

③ SPEED SELECTOR FOR 45 r.p.m.

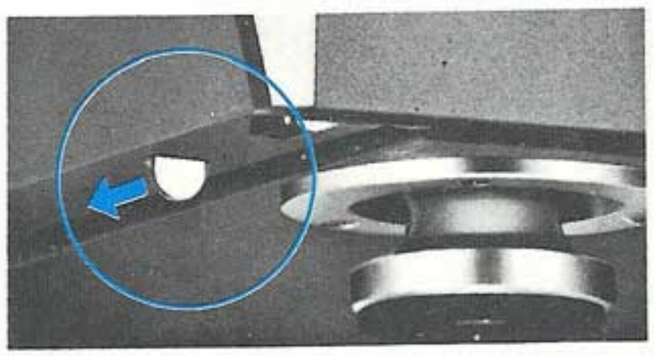
This should be pressed if 45 r.p.m. is the required speed. The turntable will commence rotation.
See note 5 for speed adjustment.

④ SPEED CONTROL METER

This is illuminated when the power is switched on. Accurate speed at 33⅓ or 45 r.p.m. is obtained when the indicator stays exactly in the centre of the scale. When the turntable starts rotating, or when the speed is changed between 33 and 45 r.p.m. the indicator will swing off centre momentarily. This movement does not relate to the turntable's speed or the starting-up time as the meter functions as an indicator only when either of the speed control buttons are depressed.

⑧ ACCESSORY POCKET OPENING KNOB

Slide this to the left to open the pocket.



⑨ TONE ARM

Refer to points 21, 22, 23, 25 and 26 for alignment of lateral balance, stylus pressure and anti-skating device.

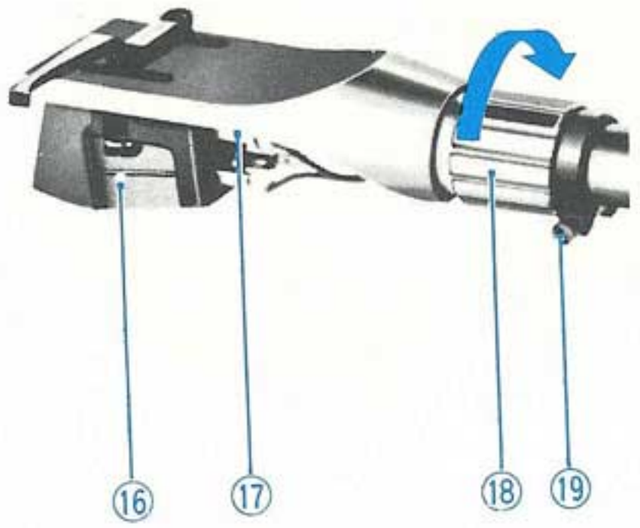
⑩ TURNTABLE

⑪ CENTRE PLATE

⑫ AC POWER CORD

⑬ OUTPUT TERMINALS

This is a DIN type connector. Make sure that correct phasing is obtained when connecting to the amplifier. The connector is of low capacity thus, helping to avoid problems when connecting discrete type 4-channel systems.



⑯ CARTRIDGE

Refer to cartridge instructions supplied with particular model fitted.

⑰ HEADSHELL

Solid type rigid shell. A spare is supplied in the accessory pocket.

⑱ LOCKING CONNECTOR

Plug headshell into tone arm and turn connector to lock it in place.

⑲ CONNECTOR CRAMPING SCREW

This is used in conjunction with the gauge

⑤ SPEED CONTROL BUTTON 2

These are mounted inside the accessory pocket one for either speed. They operate on a "push and turn" basis. Both speeds may be increased or decreased by a maximum of 6%, equal to half a musical pitch.

Note: Just by "turning" knobs without "pushing down", speed may change as well, but in this case the meter does not function. The meter will function only with the knobs "pushed down".

⑥ STOP SWITCH

This should be depressed to stop the turntable. Stopping is not immediate due to the moment of the turntable.

⑦ ACCESSORY POCKET

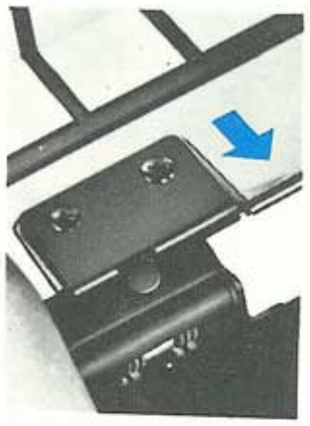
The turn-over type accessory pocket on the front of the unit is for storing maintenance accessories, 45 r.p.m. Adapter and spare headshell.

⑭ RUBBER FOOT

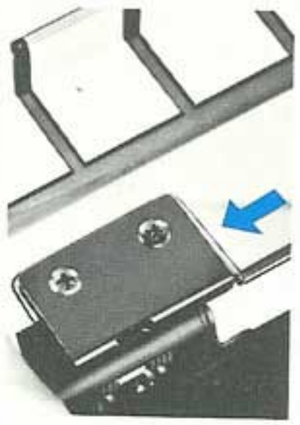
Four specially designed rubber shock-absorbing feet are fitted, and each one may be independently adjusted for height.

⑮ METAL HINGE ON ACRYLIC COVER

To fix the cover on to the turntable base follow the examples in pictures A-1 and A-2.

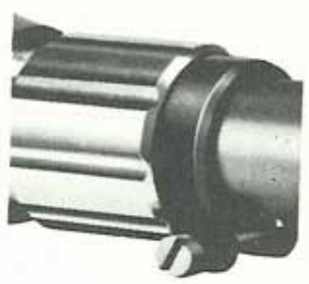


Picture A-1



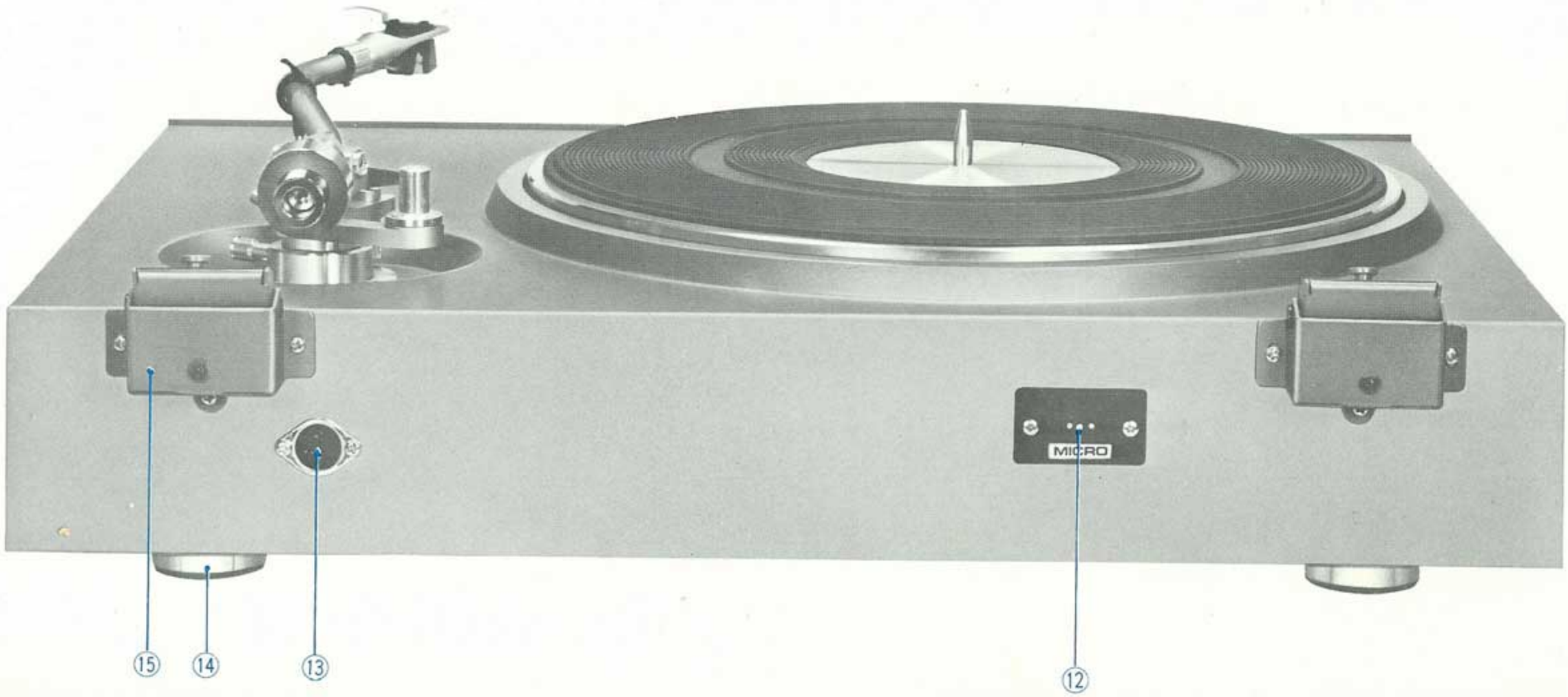
Picture A-2

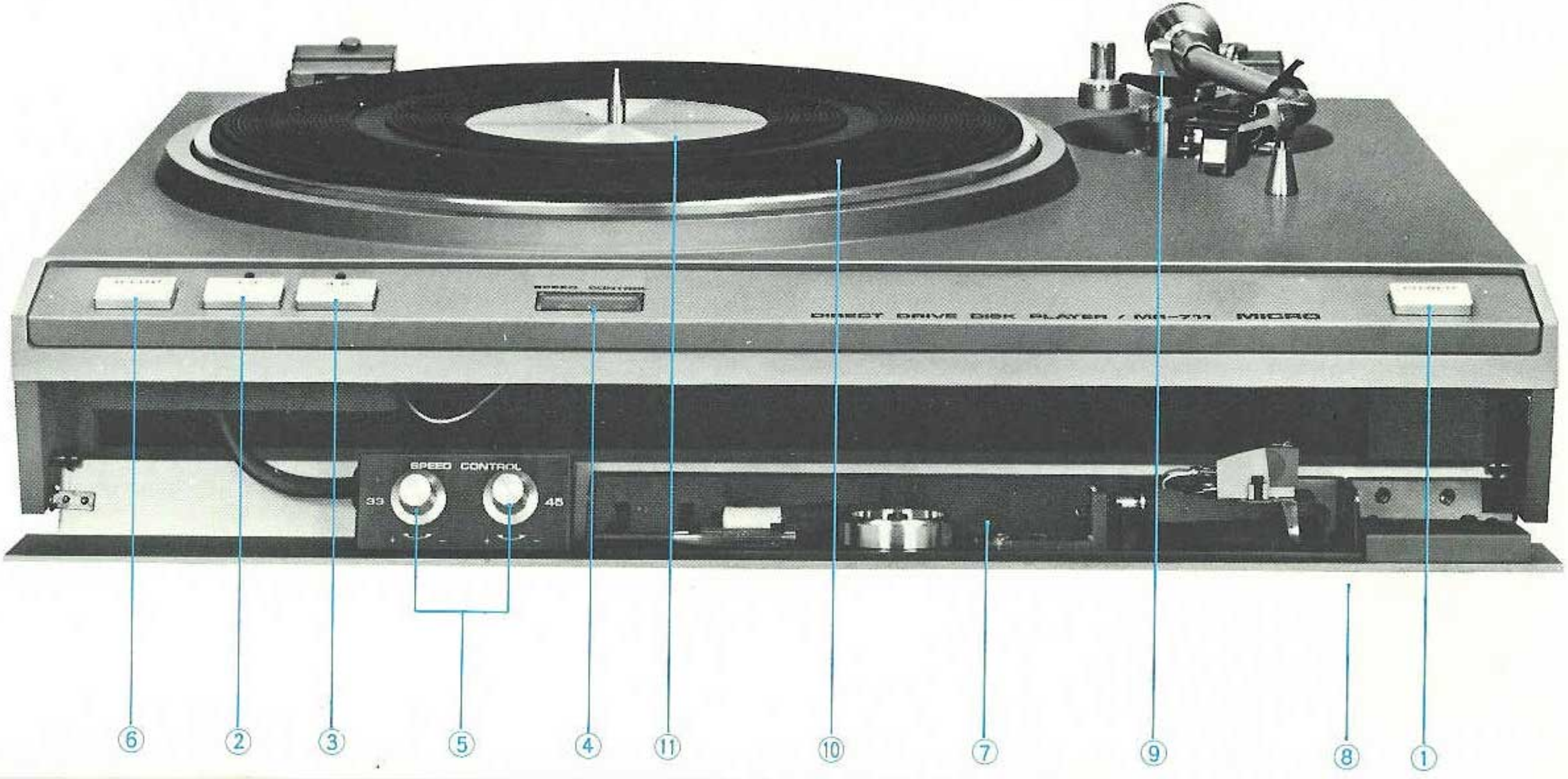
shell. It should not be necessary to make any adjustment for the headshell provided, as it will have been correctly set up at the factory. An adjustment may however be necessary when using a headshell of another make. Wrong positioning of the headshell angle in relation to the record will affect channel balance and separation. Refer to illustration B-1 and B-2.



Picture B-1

Picture B-2




SPEED CONTROL
33
45
DIRECT DRIVE DISK PLAYER / MA-711 MICRO
6
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3
5
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11
10
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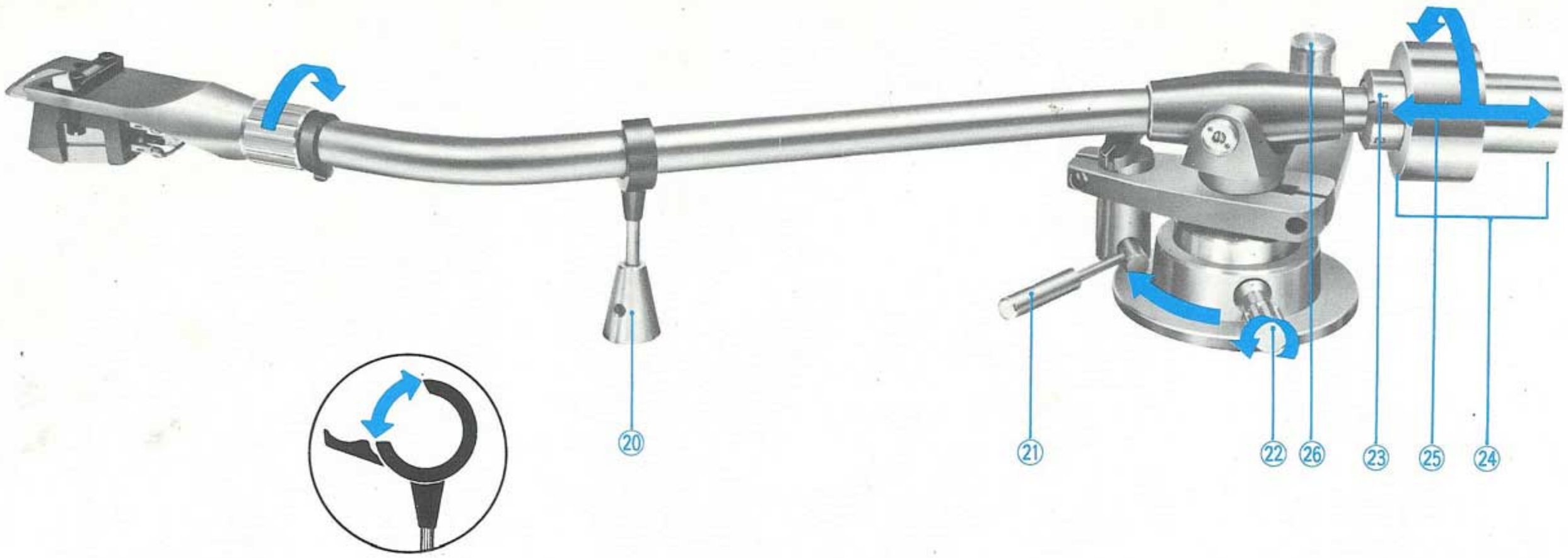
9
8
1



⑳. ARM REST

㉑. ARM LIFT

This is used for lowering and raising the arm and is damped to ensure correct use and prevent damage to the stylus assembly.

㉒. HEIGHT ADJUSTING LEVER

The height of the arm has been adjusted at the factory and is correct for the standard cartridge supplied. Adjustment may have to be made where another make of cartridge is to be used. To adjust loosen the lever anti-clockwise and slide back and forth to obtain a maximum height adjustment of 6 mm.

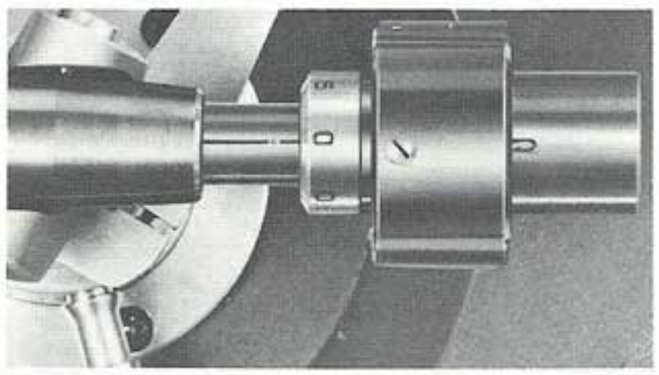
㉓. STYLUS PRESSURE INDICATOR

The figures indicate the stylus pressure in grams. Pressure should be adjusted after lateral balance of the arm has been achieved as indicated below.

㉔. MAIN WEIGHT

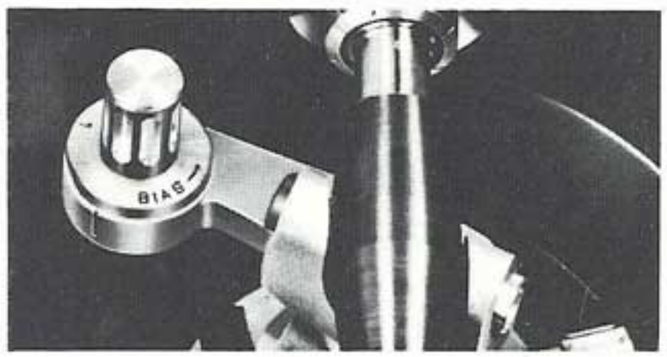
㉕. RING WEIGHT

Install the main weight provided at the end of the arm as shown in illustration C. The main weight moves forward by clockwise rotation. Adjust the main weight until the arm is perfectly balanced. For this purpose the arm must be off the rest and the stylus guard must be removed from the cartridge. Now adjust figure "O" on the stylus pressure indicator to station it at the indicator line (the indicator may be turned separately from the main weight), now turn the main weight to the desired stylus tracking pressure level. The ring weight may be moved separately for adjustment where a heavier or lighter headshell is used. An extra sub-weight is available for use with very heavy cartridges.



㉖. BIAS ADJUSTER

This gives accurate tracing of the stylus in the disc groove offsetting the inherent bias of the arm. The bias must be adjusted to the particular tracking pressure in use and should always be re-adjusted if the tracking pressure is changed.



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SPECIFICATIONS

Turn Table:	Aluminum diecast 12¼" (31cm) outer diameter. weight 4.4 lbs.
Drive motor:	Direct drive system by D.C. servo motor
Power requirement:	Universal voltage 100V, 110V, 117V, 200, 220V and 240V
Speed:	2 speeds, 33⅓ and 45 r.p.m.
Wow flutter:	less than 0.04%
S/N ratio:	better than 58 dB
Tone Arm MA-202L	static balance type S-shape tubular tone arm with spring type (adjustable) perfect antiskating device, split and revolving type counter weight with direct reading stylus pressure ring and oil damp arm lifter.
Effective length:	252mm
Over hang:	15mm
Off-set angle:	21 degrees
Tracking error:	less than 1.5 degrees
Acceptable cartridge weight:	4 to 16 grams (with additional weight 10 to 22 grams
Variable range of stylus pressure:	0 - 3 grams
Head shell:	plug-in type, non-resonance solid shell.

Cartridge M-7000/e

Frequency responce:	5 - 45,000 Hz
Channel separation:	better than 30 dB at 1KHz
Output balance:	less than ½ dB
Output voltage:	3.5mV at 1KHz. 3.54cm/sec.
Compliance:	30×10^{-6} cm/dyne
Tracking force:	1½ grams
Suitable load resistance:	45 to 50 K ohms
Stylus:	V-7000/e 0.3 mil × 0.8 mil, elliptical diamond
Cartridge weight:	5 grams
Dimensions:	19⅞" (W) × 7" (H) ×16⅞" (D)
Net weight:	24 lbs.

Note: The cartridge may not be a standard fitment in all markets.