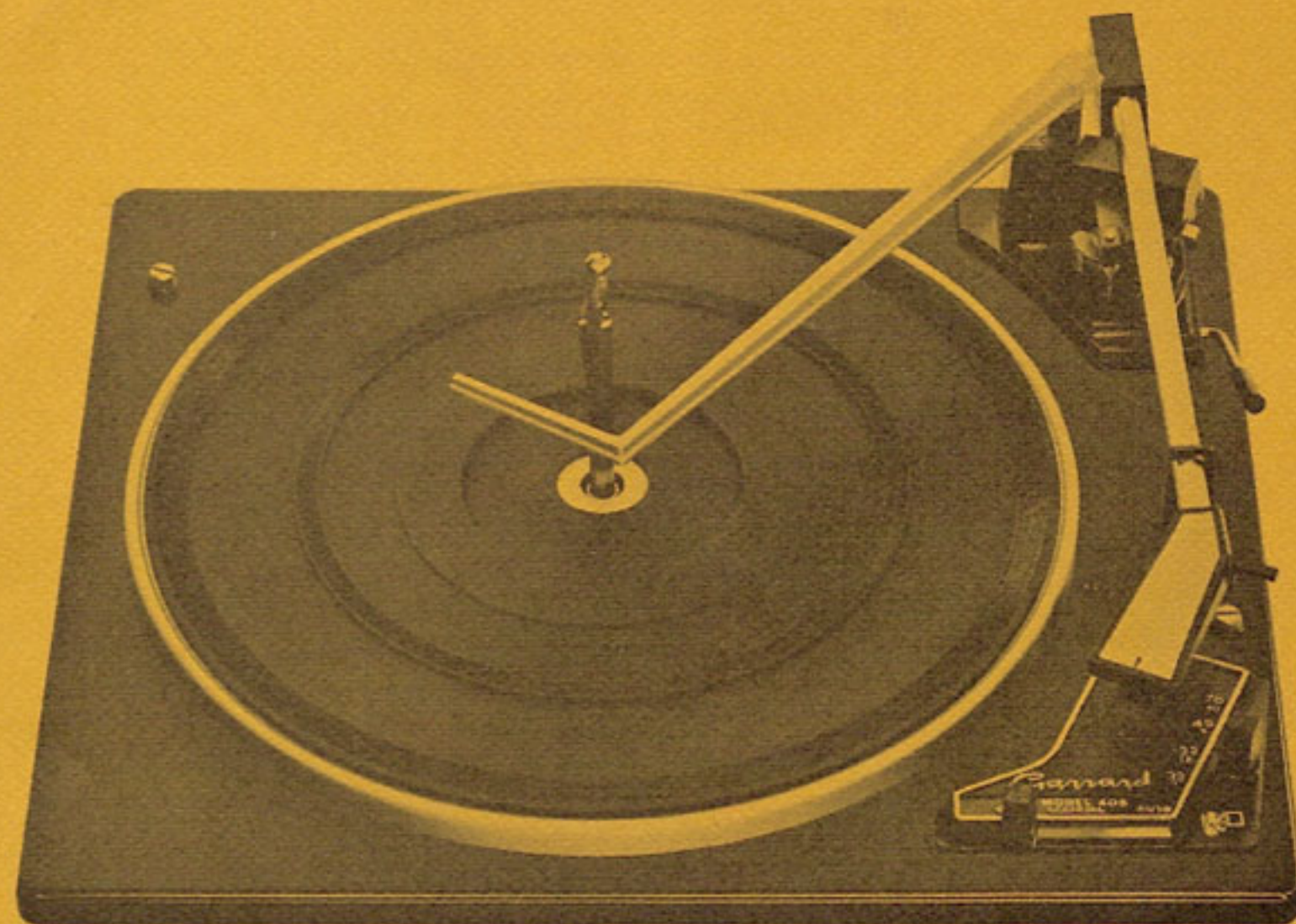


*Garrard*

Model 40B

Auto turntable



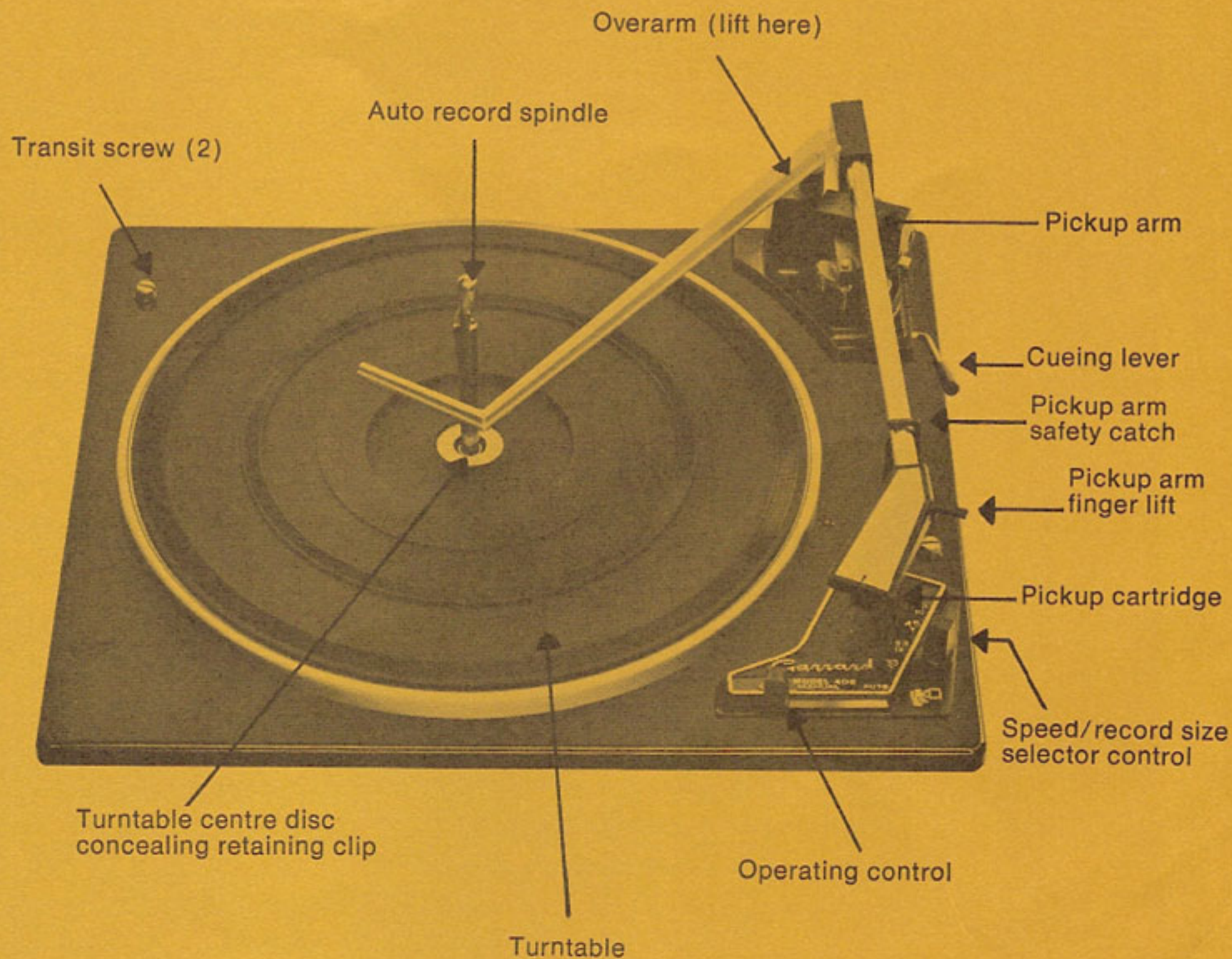
Instructions

## Model 40B features

- ★ plays up to eight 12" 33 $\frac{1}{3}$  rpm, 7" 45 rpm, 7" 33 $\frac{1}{3}$  rpm, or 10" 78 rpm records of the same size, speed and stylus setting, automatically at one loading by pre-selection.
- ★ plays single records manually or automatically.
- ★ switches off automatically at the end of a single record, or the last record of a stack with the pickup arm returning to its rest.
- ★ repeats automatically a record as often as required.
- ★ has cue and pause facility.
- ★ slide-in cartridge carrier, type C2.

### Note:

When ordering a motor pulley, specify for a type 85 motor. Should a motor be required, specify type 85 and all details stamped on the bottom end plate of the motor.



# Operating instructions

Free the pickup arm by releasing its clip and remove the pickup stylus guard, if fitted. Check that the speed and record size settings, also the stylus, are correct for the records to be played and that the transit screws are turned fully clockwise.

## **AUTOMATIC PLAY**

- 1 Fit the long record spindle in its centre hole, turning it until it can be pushed down into place.
- 2 Lift the overarm and swing it to the right, then place up to eight records of the same speed and size on the record spindle step and swing the overarm into the centre to hold the records level.
- 3 Move the operating control to 'AUTO', pause and release the control to 'MANUAL'.

One or more records should always be on the record spindle step or turntable before operating.

- 4 After playing the last record, the pickup will return to its rest and the unit will switch off. Raise the overarm and swing it to the right, then lift the records clear of the spindle, even if they are to be replayed.

## **TO REJECT**

Move the operating control to 'AUTO' to reject a record being played.

## **AUTOMATIC SINGLE RECORD PLAY**

- 1 Fit the short record spindle.
- 2 Lift the overarm and swing it to the right then place the record on the turntable.
- 3 Move the operating control to 'AUTO', pause and release the control to 'MANUAL'.
- 4 When the pickup commences to play at the pre-selected record size, carefully swing the overarm in to its centre position.

## **AUTOMATIC SINGLE RECORD REPEAT**

Follow the automatic single record play instructions, but leave the overarm to the right. The record will repeat until the overarm is swung in to its centre position.

## **SINGLE RECORD PLAY**

- 1 Fit the short record spindle.
- 2 Either: swing the overarm to the right, place the record on the turntable then swing the overarm in to its centre position. Or: swing the overarm to its park position along the rear of the unit, then place the record on the turntable.
- 3 Move the operating control to 'MANUAL'.
- 4 Place the pickup on the record by hand.

## **CUE AND PAUSE**

When playing a single record manually, the cue and pause control may be used to place the pickup on the record, also to raise or lower the pickup at any selected point. Record play can be temporarily interrupted in a similar way.

To raise the pickup, lift the cue and pause control, to lower the pickup, steadily lower the cue and pause control.

## **TO PLAY LARGE HOLE RECORDS**

For automatic play use spindle FLRS 35.  
For single record play use adaptor 72698.

## **NOTE**

To obtain the best results, store and clean records as recommended by the record manufacturers. Do not leave records on the unit when not in use. Keep the stylus free from accumulated dust and replace it when worn.

### AUTOMATIC SINGLE RECORD REPEAT

Follow the automatic single record play instructions, but leave the overarm to the right. The record will repeat until the overarm is swung in to its centre position.

### SINGLE RECORD PLAY

- 1 Fit the short record spindle.
- 2 Either: swing the overarm to the right, place the record on the turntable then swing the overarm in to its centre position. Or: swing the overarm to its park position along the rear of the unit, then place the record on the turntable.
- 3 Move the operating control to 'MANUAL'.
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When playing a single record manually, the cue and pause control may be used to place the pickup on the record, also to raise or lower the pickup at any selected point. Record play can be temporarily interrupted in a similar way.

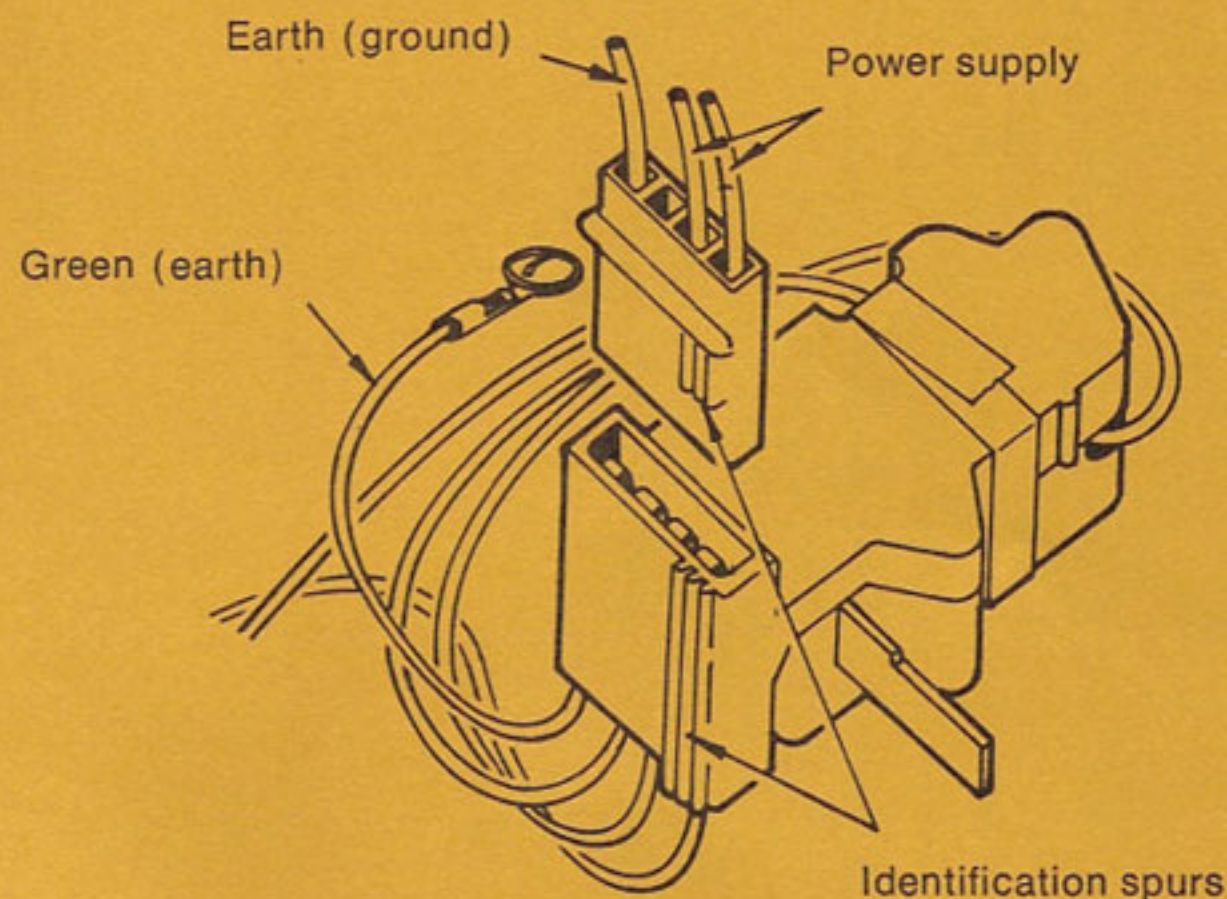
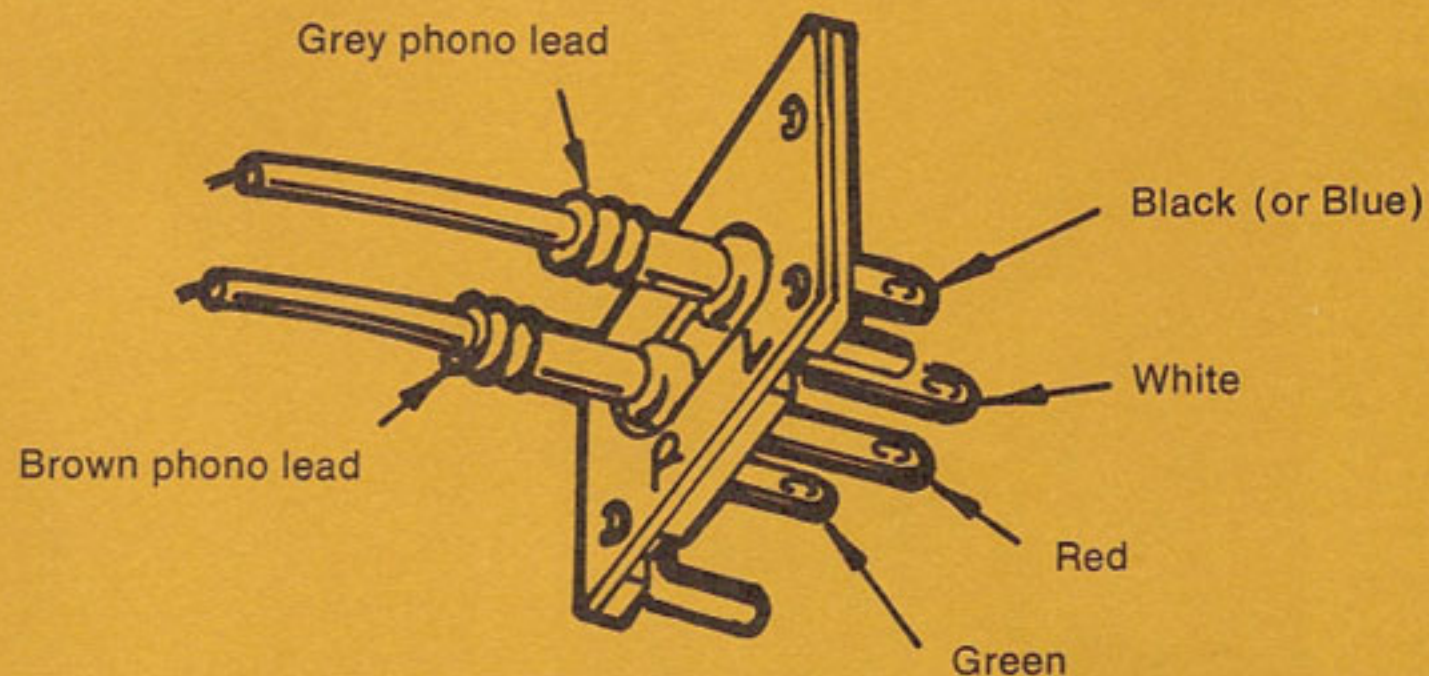
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### TO PLAY LARGE HOLE RECORDS

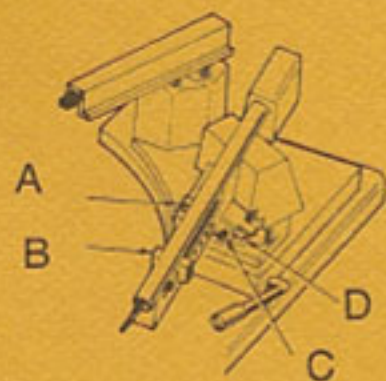
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### NOTE

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## Adjustments



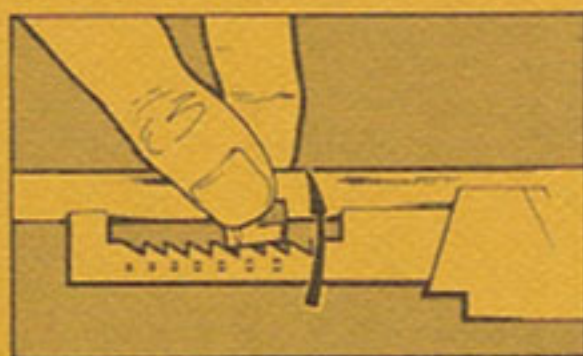
Before making adjustments always disconnect the power supply and protect the stylus whenever possible. Adjustments should only be necessary when a new cartridge has been fitted. Minor changes in appearance on later models do not affect the function of the unit.

### TO RESET PICKUP ARM LIFTING HEIGHT



Turn adjusting screw A  to raise and  to lower. The stylus tip should rise  $\frac{3}{4}$ " (19mm) above the top face of one record on the turntable as the pickup arm returns to its rest.

### TO RESET STYLUS FORCE

Support the front of the pickup arm with one hand then, with the other, tilt the adjusting slider B with thumb and fore-finger as shown and move it forwards to reduce and backwards to increase stylus force. Use a stylus force gauge for measurement.



### TO RESET PICKUP ARM LOWERING POSITION

Turn adjusting screw C  to move the arm inwards and  to move it outwards.

Restrictor D can be turned aside to raise the pickup arm further when examining the cartridge.

For technical information or spare parts contact your Garrard agent or write to

In U.S.A.:

GARRARD SALES CORPORATION, WESTBURY, NEW YORK 11590.

## Maintenance

### LUBRICATION

The oil-retaining bearings of motor, turntable and rubber intermediate wheel rarely require lubrication. When the need is apparent, remove the turntable and apply a drop of thin machine oil, such as that used on sewing machines, to each bearing. Take great care to keep the driving surfaces of the motor pulley, inside turntable rim and rubber wheel free from oil.

### TO REMOVE TURNTABLE

Disconnect power supply, withdraw record spindle, lift out centre disc, prise off retaining clip (noting its position – small hole facing back left – for re-assembly), then lift turntable with equal pressure on diametrically opposite sides.

### SLIDE-IN CARTRIDGE CARRIER

Type C2 can be unclipped by pulling it forward from the pickup head. This allows the stylus to be examined or changed easily, also a new cartridge, or cartridge and carrier can easily be fitted if desired.

### OPTIONAL ACCESSORIES

**Adaptor** (Part No. 72698), for use with manual record spindle to play single 7" records with large centre holes.

**Large record spindle FLRS 35** adapts auto record spindle to play automatically up to eight 7" records with large centre holes. Supplied with instructions for use.

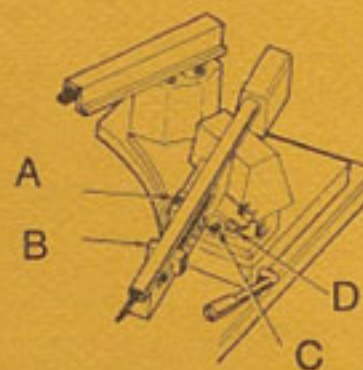
Other territories:

GARRARD ENGINEERING LIMITED, NEWCASTLE STREET, SWINDON, WILTSHIRE, ENGLAND.

## Installation

- 1 Pickup connections are as shown overleaf. Plug brown phono lead into socket R (right-hand channel) and grey lead into socket L (left-hand channel).  
For stereo reproduction from a stereo pickup cartridge use both channels.  
For mono reproduction from a mono cartridge use right-hand channel only.  
For mono reproduction from a stereo cartridge, parallel both channels.
- 2 Make line-cord connection to unit as shown overleaf. Include a good earth (ground) connection through the green lead of the line cord (see 4).
- 3 Turn both transit screws fully clockwise, check that their spring clips are vertical, then assemble record player to mounting board or base. Transit screws must pass through their holes and the mounting springs (with plastic foam damping pads inserted), locate in recesses in mounting board.  
Turn transit screw clips horizontal, check that leads are clear of obstructions and that unit floats freely on mounting springs.
- 4 Attach leads from unit to amplifier(s), earth and power supply respectively.
- 5 Check counterbalance weight is clipped in position on arm as shown on 'Adjustments' diagram. The weight should not normally be removed.
- 6 Fit auto record spindle or manual play spindle, according to choice. Turn the spindle until its 'D' shaped location is felt, then press down to secure.
- 7 For more detailed installation instructions, refer to separate template.

## Adjustments



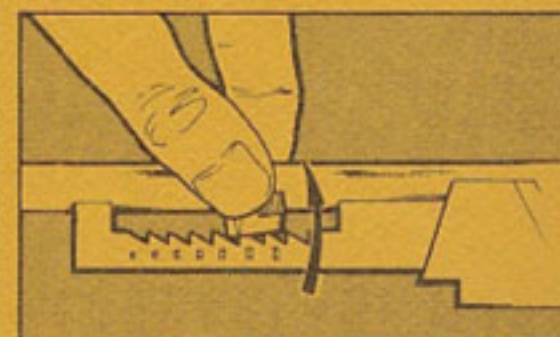
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