

INSTALLATION AND OPERATING
INSTRUCTIONS FOR THE
GOLDRING-LENCO TRANSCRIPTION
MOTOR UNITS

Model G.L. 70



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MODEL G.L.70

WARNING. The motor is held in position by two screws for safety in transit. Before the unit can be played these must be removed.

1 UNPACKING. This unit was carefully checked before leaving the factory. Observe the condition of the packing carton for signs of improper handling in transit. If damage is apparent make an immediate claim to the dealer from whom you made the purchase. Check that all items shown in paragraph 4 are complete.

2 BASEBOARD. The unit should be mounted on a wooden baseboard about $\frac{3}{8}$ – $\frac{1}{2}$ in. thick and of somewhat the same size as outlined on the enclosed template sheet.

The baseboard should be cut so as to provide one large cut-out, and drilled for four holes of 1-in. diameter.

The position of the cut-out and the holes may be obtained by either of these two methods:—

- (a) Cover the baseboard with carbon paper laid face downwards and fix the template in the desired position with drawing pins at the given hole centres; then scribe on the heavy outline of the cut-out, so that the line is reproduced on the baseboard by the carbon paper.
- (b) Attach template to the baseboard with self-adhesive tape or with pins, and prick through the template with a sharp pointed instrument such as a scribe or bradawl.

- 3 CABINET CLEARANCES.** Top clearance: $2\frac{3}{4}$ -in. above top surface of wooden baseboard. Bottom clearance: $2\frac{1}{8}$ -in. below top surface of wooden baseboard.
- 4 CONTENTS OF CARTON.** The following items are contained in the carton:—
- (a) The turntable packed in cardboard sleeve.
 - (b) Rubber turntable mat.
 - (c) The motor unit complete with mounting plate.
 - (d) Head shell for pick-up arm (G.L. 70 only).
 - (e) Circular plastic moulding about $1\frac{1}{2}$ -in. in diameter. This is for use with those 45 r.p.m. records with $1\frac{1}{2}$ -in. centre holes. Place the moulding over the centre spindle and the 45 r.p.m. record will then fit.
 - (f) An envelope containing components for mounting the unit.
 - (g) Groove locating arm.
 - (h) Stroboscope.
- 5 MOUNTING MOTOR UNIT TO BASEBOARD.** An exploded view of the mounting is shown on the template. The components for mounting consist of:—
- 4 brackets with springs attached.
 - 4 threaded spindles each with three lock nuts.
- 6 MOUNTING PROCEDURE.** Remove threaded spindle from spring and screw down mounting bracket as shown in template. Screw threaded spindle into the tapped plates underneath the motor-board and lock into position by tightening the first lock nut. Adjust second lock nut to approximately 1-in. from underneath the baseplate and manipulate unit so that the threaded spindles pass through the springs. Place the turntable on centre spindle and then readjust second lock nut until the baseplate is level. Then fit third lock nut on threaded spindle and tighten.
- 7 HEAD SHELL.** The head shell of the L.70 Arm is wired for stereo.
- The red lead should be taken to the left-hand channel terminal on the cartridge—the green to the right hand—the two black leads being taken to the common terminal.
- When used for monaural the red and green leads only should be used. The leads from the pick-up arm correspond with those in the shell and the red lead should be taken to the left-hand channel input in the amplifier—the green to the right and the two black to the earth sides of the input.

To remove head shell, loosen knurled wheel on neck of shell and pull shell away from arm. When replacing head shell ensure that location pin in shell engages in slot in arm. The correct position for the cartridge mounted in the shell is indicated by the two dots, one on each side of the shell which should coincide with the point of the stylus.

PLAYING WEIGHT. To adjust playing weight turn knurled knob protruding at rear of arm—clockwise to increase—anti-clockwise to reduce.

9 VOLTAGE CONTROL. The unit is normally supplied for 200–250 volts, 50 c.p.s. *A.C.* mains.

10 TURNTABLE. In order to remove the turntable apply a sharp tap with a wooden block to the centre spindle while lifting turntable.

To replace turntable place over centre spindle and ensure that it is well seated on the spindle.

Place loose rubber mat over centre spindle. Connect up the pick-up lead to the amplifier and the motor lead to the mains supply.

The unit is now ready for playing.

11 GROOVE LOCATING DEVICE. It should be fitted to the spigot on the right-hand side of the base plate, so that the arm points inwards.

Place a record on the turntable and the pick-up on the record. Turn the on/off switch to the 'Play' position and adjust the height of the locating arm until there is $\frac{1}{8}$ -in. clearance between it and the arm. Tighten the screw on the locating arm and turn the switch to the "OFF" position. The Pick-up should now automatically be lifted off the record.

TO PLAY. Check that the speed regulator is set for the correct speed for the record and that the correct stylus has been selected. Place the record on the turntable, position the pick-up on the location arm above the desired passage of the record. Turn the on/off switch slowly in a clockwise direction and the motor will start. Continue turning slowly and the pick-up arm will automatically be lowered gently on to the record.

At the end of the record, or at the end of any passage you may choose, turn the switch anti-clockwise, and the pick-up will be lifted off the record and the motor switched off.

- 13** **SPEED ADJUSTMENTS.** Although every care has been taken to ensure the speed locations are pre-set accurately, it is possible that due to transit, or in mounting, these have become slightly altered. Check each speed with the stroboscope which is supplied with the unit, and should adjustment be necessary this may be done by loosening the set-screw at the side of each speed catch, and adjusting the variable speed bar until the lines for the required speed on the stroboscope appear to remain stationary. The set-screw should then be tightened. Repeat this test at each speed.

N.B.—That side of the stroboscope marked 50 ~ should be used in the United Kingdom. The stroboscope should be illuminated from an ordinary electric lamp operating on the appropriate A/C mains supply whilst checking speeds. If this is not done the lines will not appear to remain stationary at any time.

- 14** **IMPORTANT.** Always switch off the motor before switching off at the mains.

All bearings are self lubricating. Do *not* lubricate any point as this may cause damage.

GOLDRING PRODUCTS are protected by Patents and because of continual development the right is reserved to modify the construction at any time.

**THE GOLDRING MANUFACTURING
CO. (GREAT BRITAIN) LTD.**

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LAYOUT OF G.L.70 TRANSCRIPTION UNIT

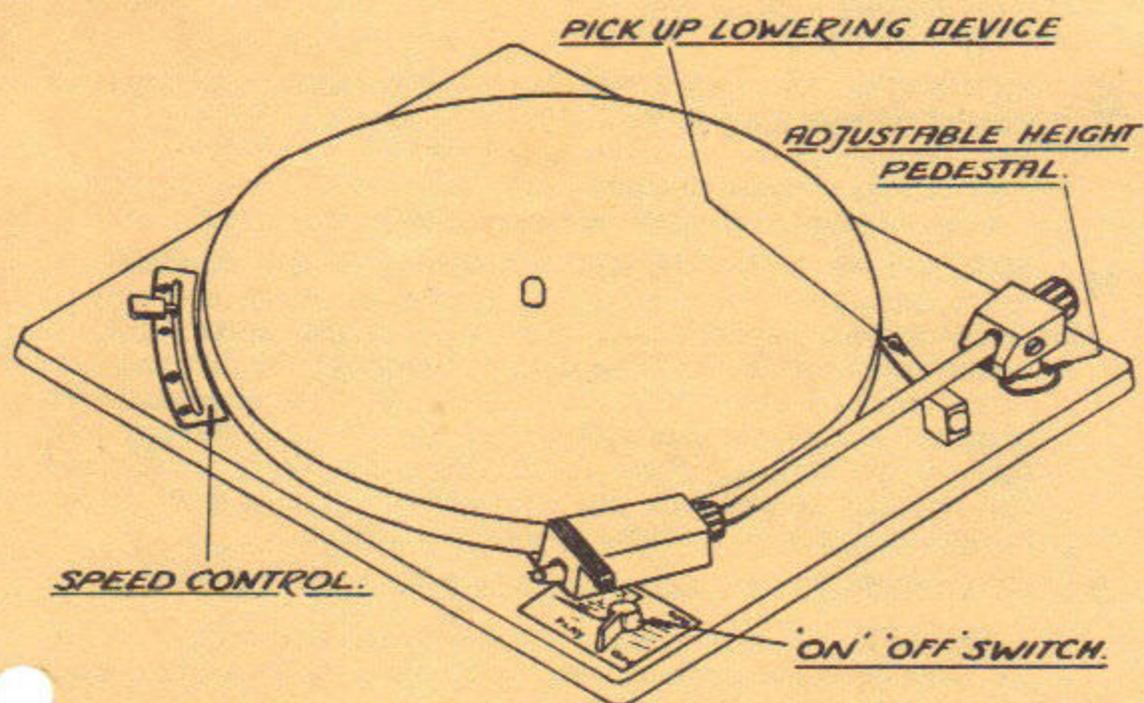


FIG. 1