

Instruction Manual L-60

The Lenco L-60 is a Hi-Fi class Record Player, designed and made to satisfy every music lover.

Although this unit is extremely easy to operate, please read through the following instructions carefully before using.

Brief Technical Description:

The 16-pole synchronous motor is fixed by vibration absorbing mounts on to a rigid steel chassis.

The turntable is smoothly driven by a specially ground flat belt.

The lightweight tonearm is a first-class example of fine mechanical precision and guarantees clear, undistorted reproduction whilst giving the greatest possible protection for your records.

The stylus pressure can be adjusted through the balance weight between 0 and 5 grams.

Inspection and Preparation for Use

All Lenco equipment is very carefully factory checked and packed in cartons designed to withstand the rigours of transportation and handling. In the event of any damage, return the unit, complete with its packing, to your nearest Lenco agent.

DO NOT plug in the unit until instructed to do so.

The L-60 Record Player can be supplied with or without plinth. On the plinth mounted version, the two red transport securing nuts should be unscrewed in an anti-clockwise direction until they can no longer be turned, thus allowing the unit to float freely on it's spring suspension.

Following this, the protective film over the surface of the L-60 should be removed by lifting the film carefully from the right-hand front corner. At the protruding parts of the unit, such as knobs, tonearm support etc., cut the plastic film with scissors, being careful not to scratch any part of the unit. The turntable can then be placed on the centre spindle, followed by the rubber mat. Attach the counterweight to the rear end of the tonearm, by pushing it gently forward, with the figures facing the front of the unit. (The locating pips on the arm automatically retract to facilitate this mounting operation.)

Assembly of the Plug-in Headshell

The L-60 is normally supplied with a cartridge correctly mounted in the headshell.

In this case simply plug the headshell into the tonearm and secure the knurled ring - the overhang adjustment is already factory pre-set. However, the L-60 can be used with any high quality pick-up cartridge and we suggest that if you wish to use more than one, a separate headshell should be bought for each cartridge to facilitate the change from one cartridge to another. When fitting a new cartridge the following instructions should be carried out.

Normal cartridges are simply screwed on to the mounting plate with the screws provided. Care should be taken to ensure that the cartridge is centrally positioned on the mounting plate. For certain special cartridges which weigh under 4 g (e.g. some ceramic cartridges), or for cartridges between 4 and 6 grams that need a playing weight of greater than 3 grams, the silver mounting plate must be removed from the headshell and the special, heavier, yellow mounting plate (obtainable from your Lenco agent - pt.no. 090'0386'01) substituted.

This will enable the tonearm to be correctly balanced. (See section "Adjusting the Stylus Pressure")

The four pick-up cables in the headshell should then be carefully attached to the pins on the back of the cartridge in the following manner:

Right Channel	: R = red
Right Channel Ground	: RG = green
Left Channel	: L = white
Left Channel Ground	: LG = blue

Tonearm Adjustments

Adjusting the tonearm height

With the record on the turntable and the arm lift lever in the raised position (**V**), the distance between the stylus point and the record can be adjusted by turning the small knurled ring, to be found on the tonearm just forward of its pedestal. The height is normally set to 4 to 5 mm (about 3/16"). Please refer to illustrated sketch.

Overhang

Plug the headshell into the tonearm and secure with the knurled ring. Lay the large cut-out in the stylus adjusting gauge around the pedestal of the tonearm, and the small hold "A" over the turntable centre spindle. Slightly loosen the screw on the top of the headshell and move the tonearm until the stylus is over the stylus adjusting gauge. Slide the cartridge until the stylus point is over the black line on the gauge, then carefully retighten the

screw on the headshell. Check the position once again. Care should be taken during this procedure not to damage the stylus.

Adjusting the stylus pressure

Set the arm lift lever in the down position (**V**), the anti-skating lever in the zero position, and release the tonearm from its rest. Turn the counterweight until the tonearm is balanced. (If a removable stylus guard is fitted to the cartridge it should be removed before this operation.) After obtaining balance, return the tonearm to its rest and while holding the main counterweight, rear section, turn the stylus force scale ring until "0" is aligned with the white line on the tonearm pedestal. Check the tonearm balance once more. The complete counterweight should now be turned to the required stylus pressure by an anti-clockwise movement as viewed from the front of the unit. If a playing weight of more than 3 grams is required, the counterweight should be firstly turned one complete revolution to "0", which is equivalent to a playing weight of 3 grams. The counterweight can then be turned further on to the difference between 3 grams and the required playing weight, e.g. For a playing weight of 5 grams, the counterweight must be turned for one complete revolution past "0" and then on to the "2" mark.

It is in the interest of the music listener not to set the stylus pressure lighter than necessary, therefore, at all times the recommended playing weight of the cartridge manufacturer should be carefully followed. For this reason a general table of such weights can be found at the back of this manual.

Anti-skating

When a stylus is playing a record, a certain force arises due to frictional effects. Due to the geometrical design of modern tonearms, this force tends to pull the stylus against the inner wall of the record groove. This force, when uncompensated, causes distortion and uneven wear of the stylus. On the L-60, an anti-skating system is fitted in order to counteract this force and thereby eliminate the distortion and uneven wear.

Setting the anti-skating

The L-60 is fitted with an anti-skating system designed to operate with a stylus pressure of 0 to 5 grams when a spherical stylus is used, and 0 to 3 grams when an elliptical stylus is used.

The numbers on the anti-skating scales correspond with the stylus pressure being used. To set the correct anti-skating force, move the lever to the same number as the stylus pressure on the appropriate scale, e.g., spherical stylus, playing weight 5 grams: spherical scale, number 5.

(See illustration on page 4a)

Systems Connections

Connect the pick-up cables to the input of the amplifier or control unit. If a magnetic cartridge is installed, ensure that the input marked "Phono", "Pick-up" or "TA" is used, and that the amplifier is designed for a magnetic cartridge. If a ceramic or crystal cartridge is installed, ensure that the input marked "HiZ" or "Ceramic Phono" is used. In case of doubt consult your dealer. If the pick-up connectors to the L-60 are not the same as fitted on the amplifier, an adaptor can be purchased at your dealers.

Checking that the L-60 is fitted with the correct type of mains plug, the unit may now be plugged in.

The following should be noted for users in the United Kingdom.

Important:

The wires in the mains lead are coloured in accordance with the following


code:

Green-and-yellow : earth

Blue : neutral

Brown : live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured green-and-yellow must be connected to the terminal in the plug marked with the letter E or by the safety earth symbol  or coloured green, or green-and-yellow. The wire coloured blue must be connected to the terminal marked with the letter N or coloured blue or black. The wire coloured brown must be connected to the terminal marked with the letter L or coloured brown or red.

WARNING: This apparatus must be earthed.

Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.

Operating Instructions

1. Place a record on the turntable.
2. Disengage the tonearm securing clip.
3. Taking hold of the headshell finger, the tonearm should be moved inwards away from its rest, thus automatically turning the unit on. The turntable will now revolve.
4. Bring the tonearm into position above the chosen section of the record.
5. The speed change knob should be set to the correct speed for the record, 33 or 45 r.p.m.

N.B. The speed must not be changed while the unit is stationary.

6. The arm lift lever can now be brought forward out of its up V position, into the down ∇ position. The stylus will now gently lower on to the record.
7. At the end of the record, the arm lift lever should be returned to its up V position, thus raising the tonearm from the record. The arm may now be brought back to its rest, in doing so the unit will automatically switch off.
8. To play a section of a record a second time, the arm lift lever can be moved to the up V position and the arm freely moved back to the chosen section of the record. When the lever is returned to the down position ∇ the stylus will gently lower on to the record.

Maintaining the L-60

The bearings in this unit are self-lubricating and need no servicing in order to give many years of satisfactory performance. If the unit must be serviced, or moved, it should be repacked in its original packing, with care taken to ensure that the chassis is screwed down to the plinth with the two red transport securing nuts, and the turntable and counterweight are packed separately. (Please see Packing Instructions at end of text).

Stylus

The stylus of the pick-up cartridge should from time to time, be cleaned with soft brush. The brushing motion must be made from the back to the front of the stylus, otherwise the stylus assembly may be damaged. This cleaning is not so frequently required if the Lencoclean system of record cleaning is used. Once a year at least the stylus should be microscopically examined by an expert and replaced if necessary. Worn styli should be avoided as they give bad reproduction and damage records.

Mounting the "LENCOCLEAN L"

The "Lencoclean L" is a record cleaning system designed to keep your records in perfect condition and give optimum reproduction.

To install the "Lencoclean L" into your L-60 unit, remove the small screw in the left-hand rear corner of the unit and in its place fit the "Lencoclean L" spindle number 6. The exact mounting procedure is described in the "Lencoclean L" Instructions.

"Lencoclean L" with Super-Tonic

- for reproduction without extraneous noise
- for minimum wear of records and styli
- for simple record care.

Dust Cover

The plinth mounted L-60 is supplied with a polystyrol dust cover which can be fixed to the hinges on the back of the plinth. The dust cover will remain open in any position due to the friction system incorporated into the hinges. When it becomes necessary to adjust this friction system, this can be done by means of the four screws at the back of the plinth.

Important!

Please make sure you keep the complete original packing of your L-60 turntable unit.

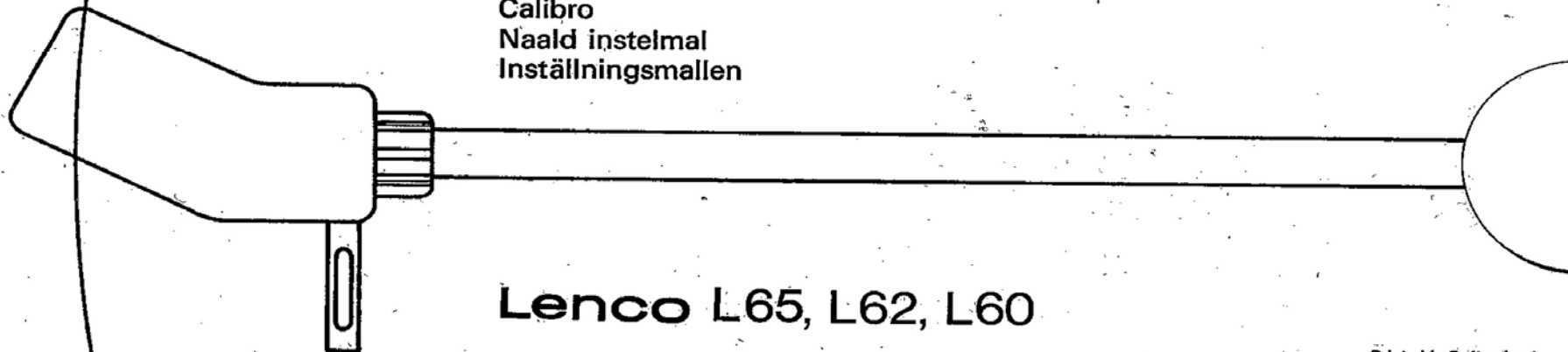
Should, for some reason, your Lenco L-60 have to be sent by post or rail, the original packing must be used and the following procedure should be observed:

1. Remove the plastic dust cover and replace it in its own packing above that of the record player.
2. Remove the turntable and counterweight and put them into their special places in the original packing.
3. Place the turntable platter in its special inlay into the carton first.
4. This may be followed by the record player and its packing only after the two red transport securing nuts have been tightened right down on to the chassis.

By following this procedure, serious transport damage, which is not covered by the guarantee and which would have to be charged for, can be avoided.

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Nadel-Einstellehre
Calibre d'ajustement pour aiguille
Stylus-adjusting gauge
Calibre de ajuste de la aguja
Calibro
Naald instelmal
Inställningsmallen



Lenco L65, L62, L60

Printed in Switzerland