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Operating instructions



The miniature ball-bearings fitted into the tonearm allow for a free sideways movement, and the knifeedge bearing keeps friction to a minimum.

being used. An automatic brake (14) comes into

All tonearms can be supplied with the Anti-Skating

Every L75 is supplied with a centre piece for records with a large centre hole, a stroboscope disc for exact setting of speed, a stylus-adjusting of shock-absorbing mounting supports and a cut

Features

ment of true Hi-Fi quality which will satisfy even the The instrument can be used for stereo as well as

monophonic listening.

undistorted sound reproduction, with the greatest possible protection for your records. The tonearm

sibility of record or needles being damaged whilst The unit is SEV. DEMKO, NEMKO, SEMKO and CSA tested and approved

Unpacking the L 75

When unpacking check for possible damage. The ing the factory. Any damage which may have been diately.

the upper part of the knife-edge balance has been put into the lower part, i. e. it is held there only by the weight of the arm. The resulting movement which can be felt just above the pedestal spindle when lifting the arm, is a normal and necessary feature of this type of bearing and should not be mistaken for a fault or damage.

Technical Description

The very silent 4-pole motor (30) is spring mounted onto a rigid steel baseplate. The dynamically balanced turntable is made of die-cast zinc, and weighs 4 kg.

The power is transmitted from the conical motor shaft (29) to the turntable by a rubber covered idler wheel (28). The speed is changed by moving the idler wheel on the motor shaft.

Preparation for Use

The L 75 is available on a wooden base, or as a build-in model. To avoid damage of the turntable spindle during transportation, the turntable is

Models mounted on a wooden base are delivered fully assembled and can therefore be operated without any difficulty. The build-in model must be cut out template should be carefully followed. On secured for transit. This has been done by means of her not assessing screen if 17, on the base plate under the turnshie and these should be loosened until the motor is freely syrung. The L.75 is designed for use with 220 V 50 Hz. A C mains but can be supplied with a switchable motor for use on 115, 145 and 225 V mains when the control of the contro

tor shaft and the rubber surface of the idler wheel (28).
A clean, dry, non-flutfy cloth should be used for cleaning. Only if oil or grease spots are present should the cloth be sparingly sprinkled with methy-and the cloth sparingly sprinkled with methy-and the cloth of the used.) The furnished should now be placed on the spindle and the rubber mat on the turntable. Plush the large, counterweight (1) on to the read of the place of

Interchangeable Plug-in Heads

The L.75 is usually supplied with an empty plugihad, so that each user may select his own pick-upcartridge. The empty plug-in head (11) is complete with mounting screws for the popular, internationally standard cartridges. If various cartridges are selected (6, 6) to light yolder 70 pm aniliar records), we seed to be a selected on the property of the property for each one to facilitate the change from one cartridge to another.

Assembling of the Cartridge into the

The cartridge should be mounted onto the mounting plate with the assembly material provided.

The plug-in head should then be put onto the tone-

arm and secured by knurled ring (10).

Place the semi-circular cut out in the template round the pedestal of the pick-up arm and the hole 'A' over the centre spindle of the turntable.

Withdraw the tonearm from the securing clip (9)

push it towards the centre of the turntable and lay it gently on the cardboard. Loosen screw (13) on pick-up the head (11). Slide the small mounting plate with the cartridge in the plug-in head, until the point of the needle is

directly on the black line of the setting gauge, tighten the screw (13).

Remove plug-in head from tonearm and connect-pick-up leads to cartridge.

Right channel: R = red
Right earth channel: GR = green
Left channel: L = white

.75 Left earth channel: GL = blue
but
Put the plug-in head onto the tonearm again and

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Mounting Material 2 screws 0.118 inches long

2 screws 0.314 inches long

2 screws 0.374 inches long

2 screws 0.5 inches long

distance bushes 0.137 inc

2 mounting screws

Setting of Stylus Pressure Setting of the stylus pressure is achieved by means

of the two weights (1 & 5) at the rear end of the tonearm. The large weight (1) is used to balance out the tonearm, whilst the small weight (5) is used to set the stylus pressure.

1. Place the small weight fight at the back of the

- outrider.

 2. Balance out the tonearm by moving the large
- weight (1) along the rear end of the arm until the arm floats parallel to the record.
- aim floats passife to the records. The recommended ships pressure for the gard. The recommended ships pressure for the gard. The recommended ships pressure that the ships and weight (1). Ships pressure is increased by moving the weight browned from its notal point at the contract of th

cause the stylus to rattle in the record groove, thus causing unnecessary record wear. Table 1 of this instruction booklet contains details of the best stylus pressures and details of the stylus

To set the Arm Lifting Device

- Place a record onto the turntable.
 Move the tonearm gently by hand until the needle of the cartridge is just above the first.
 - needle of the cartridge is just above the first groove of the record.

 3. Move the arm-lifting device (8) forward.
 - Place needle on record and check whether tonearm is horizontal, if not horizontal loosen flange screws (4) and adjust.

 Turn screw (20) on arm-lifting device until the distance between it and the rubber nipple on the tonearm is about 2 mm.

 Place the pick-up arm on to the pick-up rest (9). The needle of the cartridge must not touch the On/Off switch (12). If necessary adjust the height of the pick-up rest by possessing the pick-up rest by bush at its base.

Electrical Connection

The shielded pick-up cable (27) is provided with a standard play which can be connected to a loud-speaker or radio. This connection is indicated as -CRAMMOr, -TA-, -PICK-UP- or -So on the radio. Later models of ampliffers or radios of European origin have been fitted with a standard socket which fits the LTS. To connect to other or older models with different sockets a shielded intermediate cable should be used. When the unit has been connected (27) to the electric malns it is ready for

Anti-Skating Device

Modern pick-up design for geometrical reasons results in a force being imparted on to the stylus of
the pick-up carridge by the record, which pulls it
towards the centre of the record. This storce is caltionated the centre of the record. This storce is caltionated the centre of the record. This storce is caltionated the centre of the record. This storce is caltionated the centre of the record. This storce is caltionated the centre of the record. This centre of the record
and growers when the arm is set on to the record.

The different preserves on the two sides of the
a certain amount of distortion. This distortion, as
well as the jumping of the stylus, can be avoided
when the skating force is compensated for, For this
LTS Arm.

Heavy Type. Assembly of the anti-skating device on



Press bent steel rod (3) in hole «A» on top of tonearm.



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Push semi-circular clamp (23) on tonearm support -B- as per drawing. The pip on the semi-circular clamp must locate into the hole on the tonearm support.

Setting of the Anti-Skating Device

Before setting the anti-skating device, check that the arm has been correctly set as described earlier. Setting of the correct anti-skating force depends on two factors, namely a) the stylus pressure, b) the tip radius of the stylus of the carridge being used. Two separate anti-skating weights are supplied with the L7S, annelly a 1g and a 4g weight. All sit of settings for all stylus pressures and tip radiis is shown in Table 2 on the last name.

Evample

To set the anti-skating force for a cartridge for which the recommended stylus pressure is 1.5 pord. and of which the stylus has a lip radius of 18 mu. (0007"), Table 2 shows that for a stylus pressure of 1.5 pond and stylus in pradius of 0.007" the 1 g weight should be used on Notch 6. Therefore hang that 1 g weight should be used on Notch 6. Therefore hang that 1 guest over Notch 5 passing the thread over the adjacent hollow in the cork-screw (23) so that it hangs fresh with 1 shangs fresh when the stylus of the 1 great over the 1 great

Cartridge	tip radiu	(6) d	Anti-skating bias	
	Styles	Shites	with weight	notch
BF 40	18	5	4 a	7
Shure M 75 MB II	18	2,5	4.9	3
B+0 SP 6	18	2	4 g	1
Pickering AME 3	ellipt.	1,5	4 g	2
Goldring 800	12	3	4 g	5
Lenco M 94	12	2,5	4 g	4

To Play the Records

has been properly plugged in, and that the securing (10) ring has been well tightened.

2. Set the speed control lever (16) to correspond with the speed required for the record, check

that it is properly "clicked-in".

3. Place the tonearm onto the armrest (21) so that the point of the needle lies directly above the first groove of the record.

4. Turn the handswitch (12) to ON and well a mo-

ment until the turntable has reached the correct speed.

Move arm-lifting device (8) forward.
 To play records with a large centre hole, use the adaptor provided with your L 75.

Maintenance

Medical possibility with are to be found on the machine require no maintenance. To remove clinging dust or hairs, the point of the needle should be cleaned with a cost beautiful possible cost of the possibility of the poss

N. B. To avoid damaging the pick-up cartridge the direction of cleaning should always be from the back to the front of the cartridge.

recessity for cleaning the needed can be avoided or at least reduced to seldom occasions if the Lencoclean Record Cleaning Device is regularly used. At least once a year the needle should be microscopically checked by an expert. Worn or damaged needles result in bad distorted sound reproduction and damage to your valuable records.

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See Fig. 3. The Lencectaen Record Utening Device which cleans and motivates the record while II is being played, thereby seems to express the second the telephane and the set to a minimum as well as increasing considerable the Bie of the record, can easily be fixed to the LTS. Remove the screw (Fig) in the left hand rear corner of the base plate, and in its place screw in the spindle (C). Remove the adjustable bearing from the base supplied with the Lencoclean, and place if on spindle (C), then place the Lencoclean.

Checking and Adjusting the Turntable Speed

 Place the stroboscope (round aluminium disc with three rings of dark and light stripes), that is provided with each unit, on the turntable.

provided with each unit, on the turntable, provided with each unit, or the turntable, with a light from a lamp connected to the mains. It is suggested that the cone be darwared in a support of the corresponding seed on passed control levels or correct, then all the dark lines on the ring for the corresponding seed on seating has altered. The speed can easily be only each to the correct of the correct of which the correct of the correct of setting has altered. The speed can easily be only each to the correct of setting has altered. The speed can easily be only each of the correct of and the correct of the correct of the correct of and the correct of the correct of and the correct of the correct of

a) Losen slightly (not more than two turns) the screw at the side of the corresponding catch.
 b) Set the speed change lever in the catch and

adjust the speed until the correct speed is reached.
c) Carefully lift the speed change lever out of the catch without altering the position of the catch, and re-tighten the screw.



In order to mount a Lencoclean on the L 75 just remove the screw (19) at the back on the leth-and side and substitute the supplied Spindle C. The synthetic suction device, included in the Lencoclean package, need therefore not be used. Tabelle Str die Bisstellung der Antikeling Straft in Abhärbigheit vom Auflegerinze und der Spitzenervandig der Pfick-p-Middl. or Tabelen Medicant it auster dir Destriber der derhögen kreitleder insurer in centrementien dir possesse labbiele (profisching) dempte tenu de la force d'apput et dir rayen de la politic der lecture. O Tabel for telle petiting der Chr. auffichtelling Chorce relabyte de the sylvap possessy and pir praties of the stylva. O Tabell für institut nning av entikkelingkvalt beroevrie ev nälityek och nähspetaradie, e Tabel voor hat instellan van de deueskvacht kompensatie, afterskelijk van naaidkvacht en naaidgustativending, e Tabel para is fjaciele de is fuerza del vanti-skaliste er reliebién oen in äuszar de naeron de is ervisie val erdin de in nurse de is reliebie.

Auflagedruck pond Force d'appui Stylus pressure Näthyck	Spitzenverrundung der Pick-up-Nadel Rayon de la pointe Tip radius Näfspetsradie Afronding Radio de la punta							
Nasiddruk Fuerza de apoye gram	ellipt. bzw. biradial	12 µm .0005" .5 m/d	18 µm .0007 .7 mil	25 µm .001" 1 mil	Antiskating installining Owarskracht komponsatio Fijación del Anti-skating			
0,5	1 g	1 g	1 g		Belastungspowicht Poids de compensation	Weight Vikt	Gewicht	
	1	1	1		Kerbe Encoche	Notch Markening	Resping Resura	
0,75	1 g	1 g	1 g	200	Belastungsgewicht Poids de componsation	Weight Vikt	Gewicht	
	3	3	1		Kerbe Encoche	Notch Markering	lakeping Ranura	
1,0	1 g	1 g	1 g	1 g	Belastungsgewicht Poids de compensation	Weight Vikt	Gewicht Paso	
	5	5	3	1	Kerbe Encoche	Notch Markering	Inkeping Barora	
1,25	19	1 g	1 g	1 g	Belastungsgewicht Poids de compensation	Weight Vikt	Gewicht	
	7	7	5	3	Kerbe Encoche	Notch Markering	Inkeping Ranura	
1,5	4 g	4 g	1 g	1 g	Bolastungsgewicht Poids de compensation	Weight	Gewicht Peso	
	2	1	6	4	Kerbe Encoche	Notch Markering	Inkeping Panuna	
1,75		4 g	4 g	1 g	Belastungsgewicht Polds de compensation	Weight	Gewicht	
	Trans.	2	1	5	Kerbe Enceche	Notch Markering	Inkeping Bassre	
2,0		4.9	4 g	1 g	Belastungsgewicht Polds de compensation	Weight	Gewicht	
	10000	3	1	7	Kerbe Encoche	Notch Markering	Inkeping Ranura	
2,5		4 g	4 g	4 g	Belastungsgewicht Poids de compensation	Weight Vikt	Gewicht Peso	
		4	3	1	Kerbe Encoche	Notch Markering	Inkeping Resure	
3,0	1000	4 g	4 g	4 g	Belastungspewicht Polds de compensation	Weight Vikt	Gewicht Poso	
	1,000	5	4	2	Kerbe Encoche	Notch Markering	Inkeping Resura	
3,5		The same	4 g	4 g	Balastungsgewicht Poids de compansation	Weight Vikt	Gewicht Peso	
	91000	100,00	4	3	Kerbe Encoche	Notch Markering	Ranuta Ranuta	
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		No its	5	4	Kerbe Encoche	Notch Markering	Inkeping Renuts	
4,5	1000	HULLIN!	4 g	4 g	Belastungsgewicht Polds de compensation	Weight Vikt	Gewicht Peso	
			6	4	Kerbe Encoche	North Markering	Inkeping Ranuta	
5,0	1600		4 g	4 g	Belastungsgewicht Poids de compensation	Weight Vikt	Gewicht Peso	
	A 100 CO.		7	6	Kerbe	Notch	lokanino	

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