

precision designed & engineered high fidelity record playing equipment and accessories

MICRO

DQL-120

OPERATING MANUAL

Parts Nomenclature

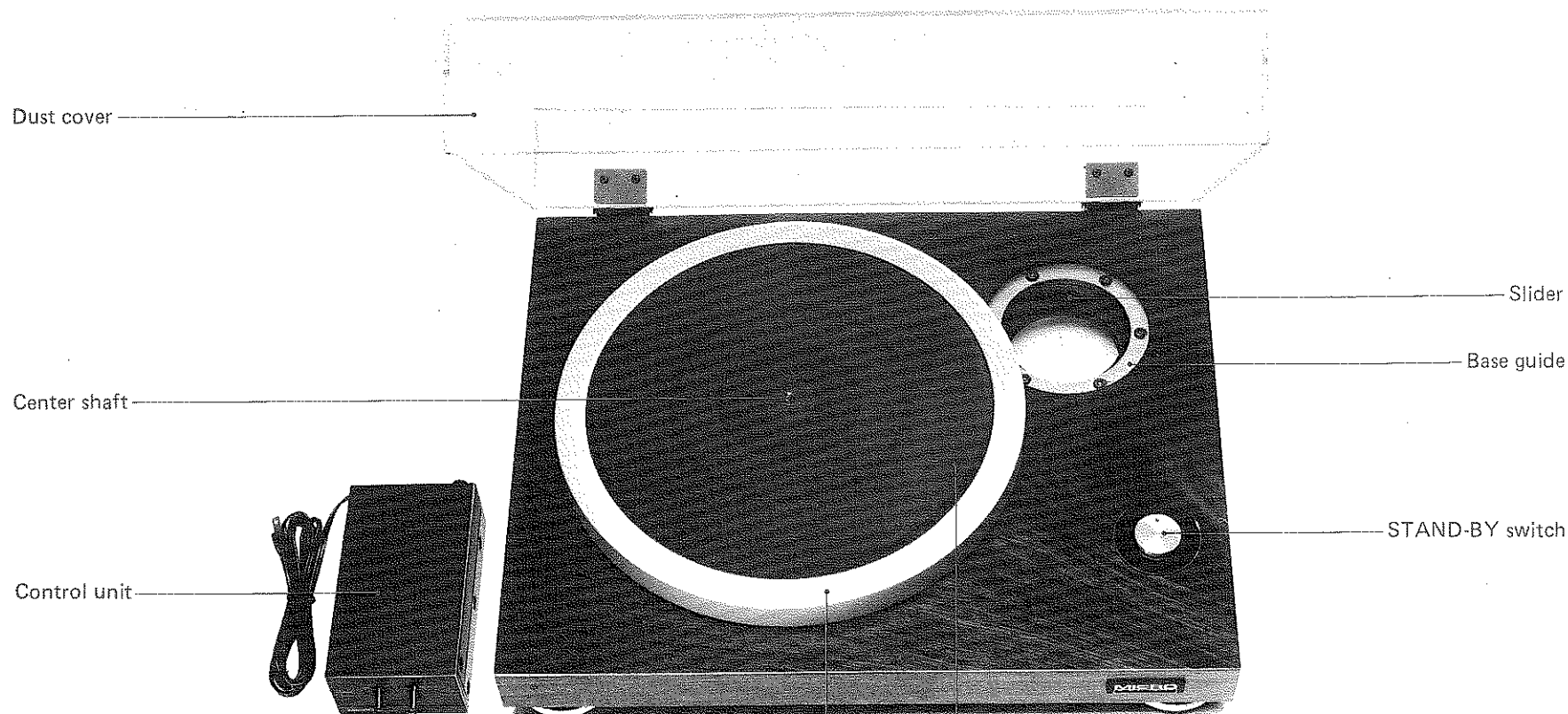


Photo 1

Accessory Components (check before assembly)

- Parts pack
- 1. Turntable platter
- 2. Rubber mat
- 3. Base guide
- 4. Slider
- 5. Mount base (packed separately)
- 6. Control unit
- 7. Arm rest attachment figure
- 1) 45 rpm (EP) adapter
- 2) Hexagonal wrench
- 3) Screwdriver
- Warranty

Turntable platter

Rubber mat

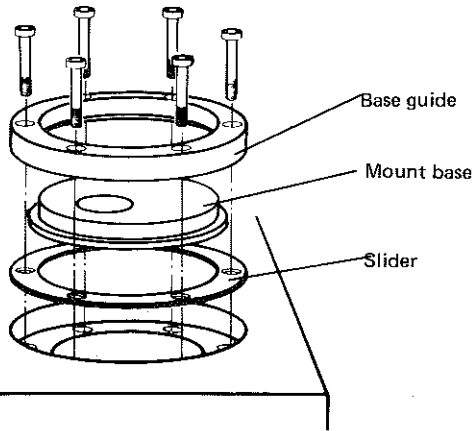
Shock absorber

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Tonearm Assembly

● Setting the Tonearm

Remove the six bolts which secure the base guide. Combine the base guide with the mount base, as illustrated in the figure, and set the tonearm. (Just insert the bolts but do not tighten.)



1. Securing the arm base by tightening the nut
① Set the tonearm do not tighten it up. Then, as in Photo 2, rotate the mount base with your hand and position it so that the overhang of the tonearm you will use is attained.

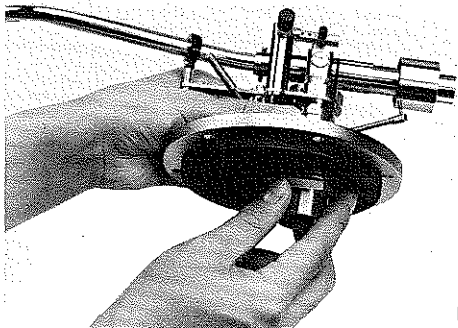


Photo 2

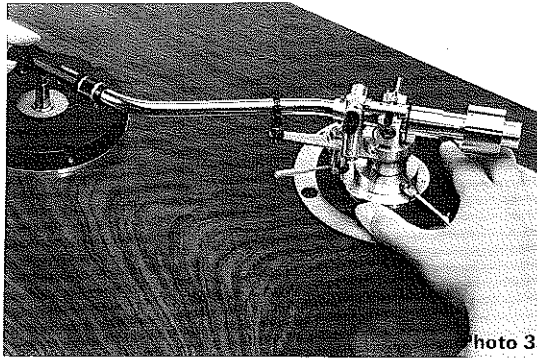


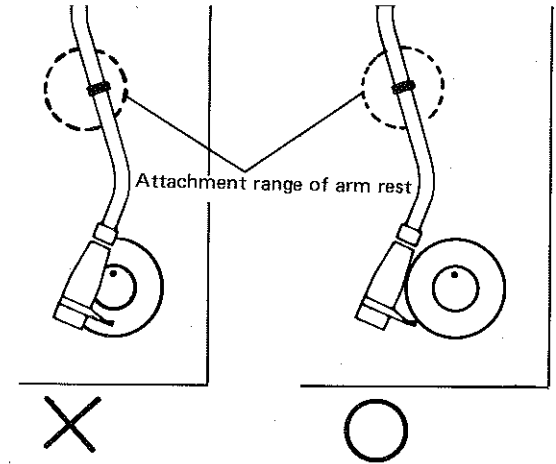
Photo 3

- ② Once you have positioned the tonearm, tighten the bolts diagonally, and then secure the mount base.
- ③ Position the arm base so that the range of the tonearm's angle of swing is properly positioned, and then secure.

2. Securing the arm base with the three screws
Refer to the instructions accompanying the mount base. Determine the position of the arm base, rotate it by hand so that the overhang of the tonearm you will use is attained and secure.

● Attaching the Arm Rest

Use the positioning template to help you attach the arm rest. Take care that the tip of the tonearm does not extend over the STAND-BY switch. (This will impair operability.)



● Using the RB-5 Rest Holder

If you plan to use the optional RB-5 rest holder, you will be able to attach the rest easily without having the drill holes in the base.

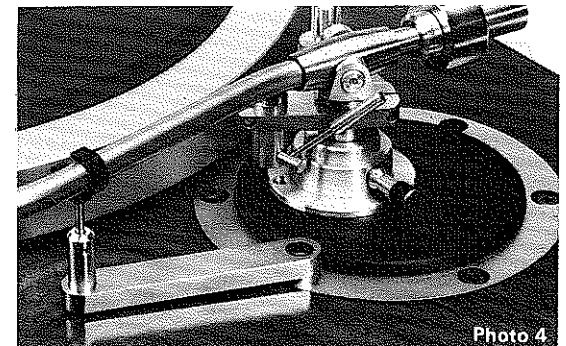
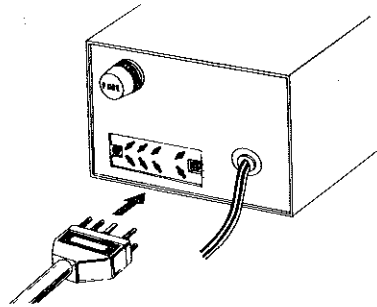


Photo 4

Attaching the Dust Cover and Adjustments

● Connecting the Control Unit

Hook up the connector extending from the main turntable unit to the control unit. Then plug the power cord into an AC power outlet.



Note: Do not plug in and unplug the connector with the power switch set to on.

● Attaching the Dust Cover

Place the metal projection on the dust cover against the metal cut-out on the main turntable unit, and insert the projection in the direction indicated by the arrow and attach. (Photo 5)

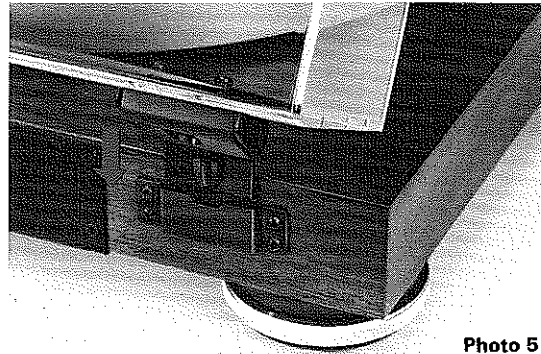


Photo 5

In order to adjust the opening and closing angle of the dust cover, rotate the adjust screw in the direction indicated in Photo 6, and adjust.



Photo 6

Operation

● Control Unit

● POWER switch

When the POWER switch lever is set to ON, the power will come on. The turntable platter will not, however, rotate.

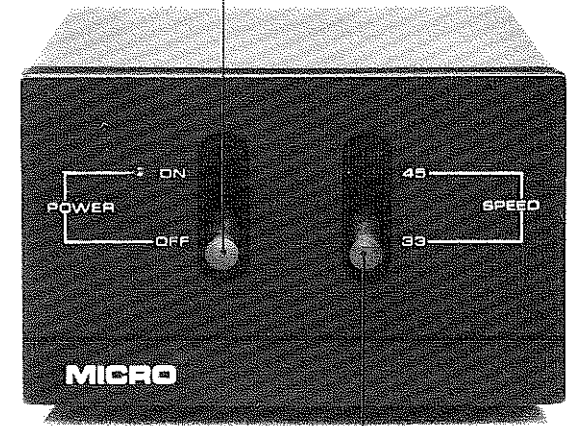


Photo 7

● Speed selector

Use this to select the speed in accordance with the records you intend to play.

Precautions for Use

- STAND-BY switch
- STAND-BY lamp

This lamp lights up just before the turntable platter comes to rest and before it reaches the selected rotational speed of 33 rpm or 45 rpm. Once the platter has reached the selected speed, the lamp goes off.

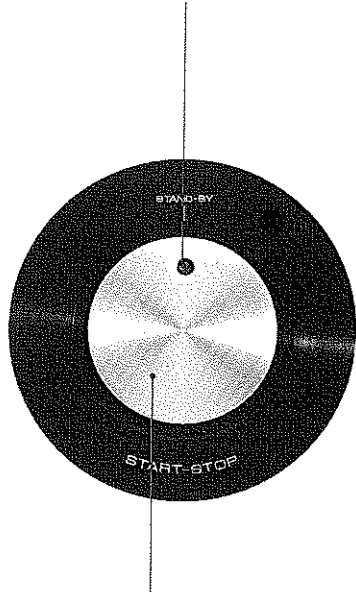


Photo 8

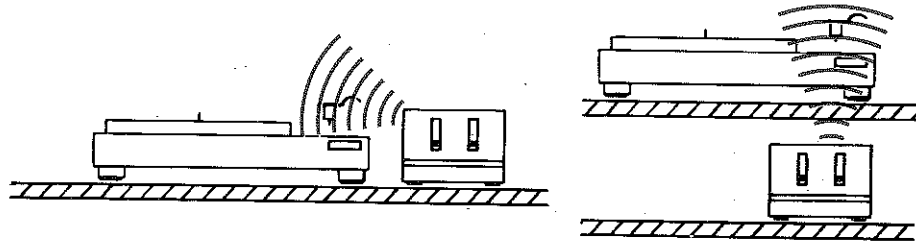
- START-STOP button

When this button is depressed, the turntable platter starts to rotate, and when it is depressed again, the platter will stop. It takes several seconds for the platter to reach the selected rotational speed of 33 rpm or 45 rpm because of its high inertial mass.

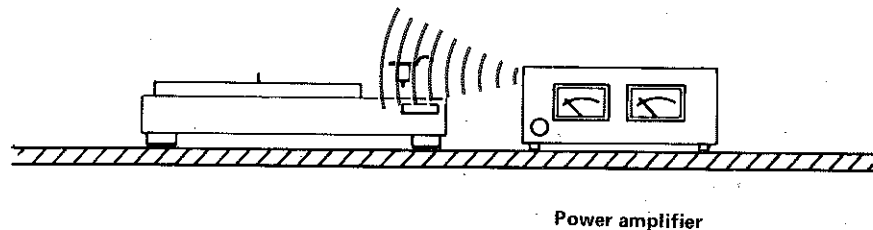
Note: While the platter is rotating, do not stop it with your hand for long periods of time (more than 30 seconds). This action actuates the protection circuit and causes the fuse to blow. Always depress the START-STOP button to stop the platter.

If you plan to use a moving coil (MC) cartridge, find the ideal place to install your control unit where it will not be affected by flux from the power transformer. Induced hum is caused with a great deal of flux. If, however, you place the control unit as far away as possible on the opposite side of the cartridge, the flux will not have any effect, and there will be no induced hum. The control unit and main turntable unit are connected with a 1.3-meter long cable, and so the control unit can be placed 1.3 meters away from the turntable to reduce the effects of noise.

In the examples below the turntable will be easily affected by induced hum caused by the control unit's power supply.



Even if you place the control unit away from the turntable, you may find that the turntable is still being affected by induced hum if a power amplifier or control amplifier is located close to the MC cartridge. Take the same precautions.



Power amplifier

Replacing the Parts

● Replacing the Thrust Block

The wear on the thrust block of the center shaft that supports the turntable platter is about 0.1 mm in 5,000 hours of use under normal conditions. This means that for all practical purposes, the thrust block is semi-permanent. Nevertheless, should it be necessary to replace it for some reason, proceed as follows.

- 1) Detach the platter, close the dust cover and turn the turntable over.

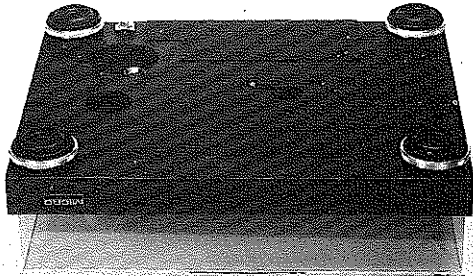


Photo 9

- 2) Remove the bottom cover of the shaft using a Phillips head screwdriver. Remove the thrust block and replace. Take care not to damage the inside of the motor (especially the motor shaft).

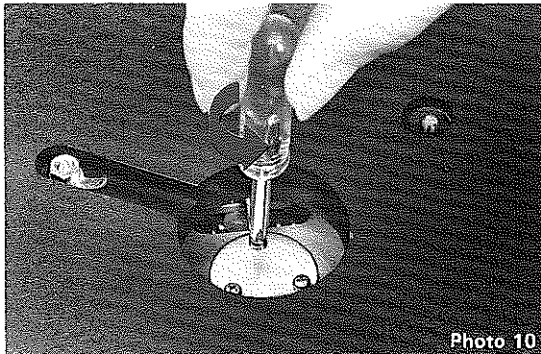
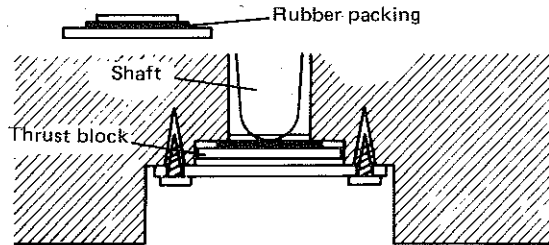


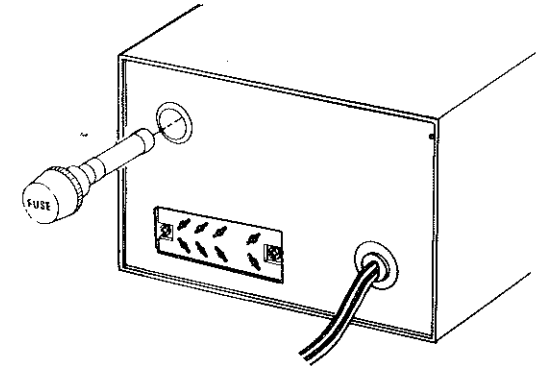
Photo 10

- 3) Check the following point when replacing the block. The thrust block comes with rubber packing which may be left attached to the inside of the motor when you remove the thrust block. If the old thrust block is replaced with a new block having rubber packing without the packing of the old block being removed, it means that double the proper rubber packing will be used. Since this may cause trouble in the motor, always remove the old rubber packing before installing the new thrust block.



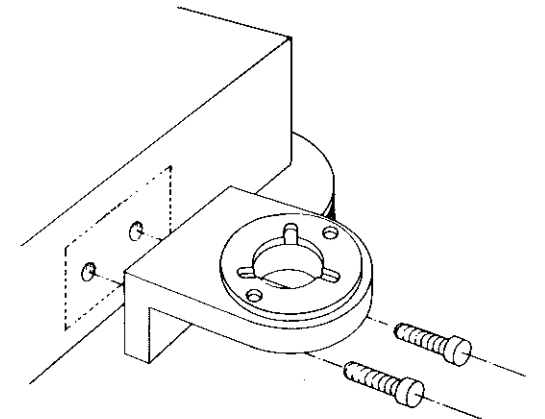
● Replacing the Fuse

If the fuse blows, replace it with a 0.5 A fuse available from any electrical appliance store.



● Attaching the Sub Arm Base

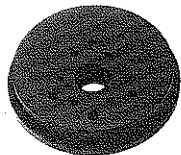
It is possible to install two tonearms on the DQL-120 if you attach the optional sub arm base. (This is used only for long tonearms.)



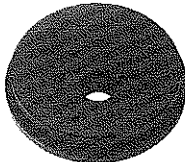
Accessories

● Mount Bases

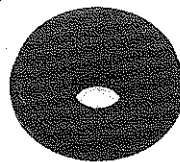
A-123



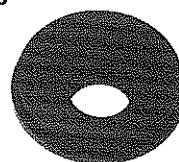
A-124



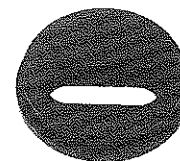
A-125



A-126

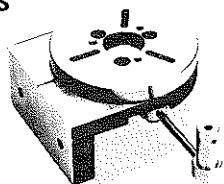


A-127

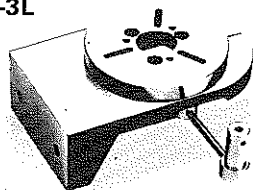


● Sub Arm Bases

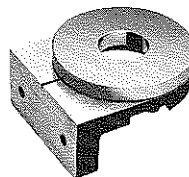
A-3S



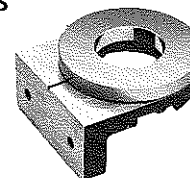
A-3L



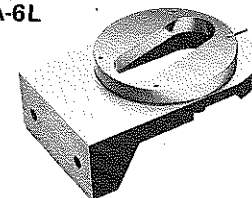
A-4S



A-5S



A-6L



■ Mount bases and usable tonearms

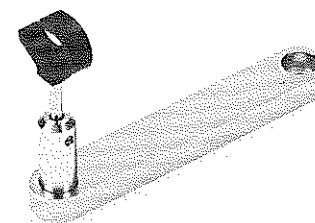
	Mount base	Tonearm
A-123	MICRO	MA-202, MA-101MKII, MA-77MKII
	AUDIO CRAFT	AC-300, 300C
	EXCEL	ES-801
	AUDIO-TECHNICA	AT-1005II, 1007, 1009, 1503II
	GRACE	G-704, 714, 545F, 840F, 940
	DENON	DA-303, 305, 307
	PIONEER	PA-1000
	TECHNICS	EPA-101L, 102L, 121L
A-124	FR	FR-24MKII, FR-54
	SONY	PUA-1600S
	STAX	UA-7

	Mount base	Tonearm
A-125	MICRO	MA-505
	SAEC	WE-308, 308SX (attachable stabilizer)
	FR	FR-64S
	TECHNICS	EPA-99
A-126	VICTOR	UA-7045
	TECHNICS	EPA-100
A-127	SME	3009
	EMT	929
Special order	ORTOFON	RMG-212, AS-212
	DINAVECTOR	DV-505

■ Sub arm bases and usable tonearms

	Sub arm base	Tonearm
A-3S	AUDIO CRAFT	A-400(C)
	DENON	DA-302, 304
	GRACE	G-565F, 860F, 960
	AUDIO-TECHNICA	AT-1501II
A-3L	SONY	PUA-1600L
	STAX	UA-70
	ORTOFON	RMG-309
A-4S	MICRO	MA-505L
	SAEC	WE-308L
A-5S	VICTOR	UA-7082
A-6L	SME	3012

RB-5



Optional arm rest

Specifications

- Drive system Direct drive
- Motor Quartz-locked PLL servo DC motor
- Speed 33-1/3, 45 rpm
- Starting torque 1.5 kg·cm
- Turntable platter 350 mm diameter zinc turntable weighing 4.5 kg (9.9 lbs)
- Moment of inertia 1,000 kg·cm²
- Signal-to-noise ratio More than 75 dB (DIN)
- Speed drift Less than 0.02% (WRMS)
- Power U.S.A & Canada 117V, 60Hz other areas 220-240V, 50Hz 6.5W
- Dimensions
 - Main turntable unit 520(W) x 420(D) x 174(H) mm (20-1/2 x 16-1/2 x 6-7/8 inch)
 - Control unit 96(W) x 192(D) x 60(H) mm (3-3/4 x 7-1/2 x 2-3/8 inch)
- Weight
 - Main turntable unit 19.5 kg (42.9 lbs)
 - Control unit 1.2 kg (2.64 lbs)

CORRECTION

● Arm mount setting

6 kind of the arm mount are prepared for DDL-120. Select the proper one out of them for the used tonearm. Each arm mount has the reference mark for tonearm setting. Be sure the reference mark is located toward to backside. (Fig.1, 2) This results in setting automatically the tonearm with the suggested overhang. Set the screws and tighten them.

