

# **BL-101** OPERATING MANUAL



**MICRO**

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■ Names of the parts

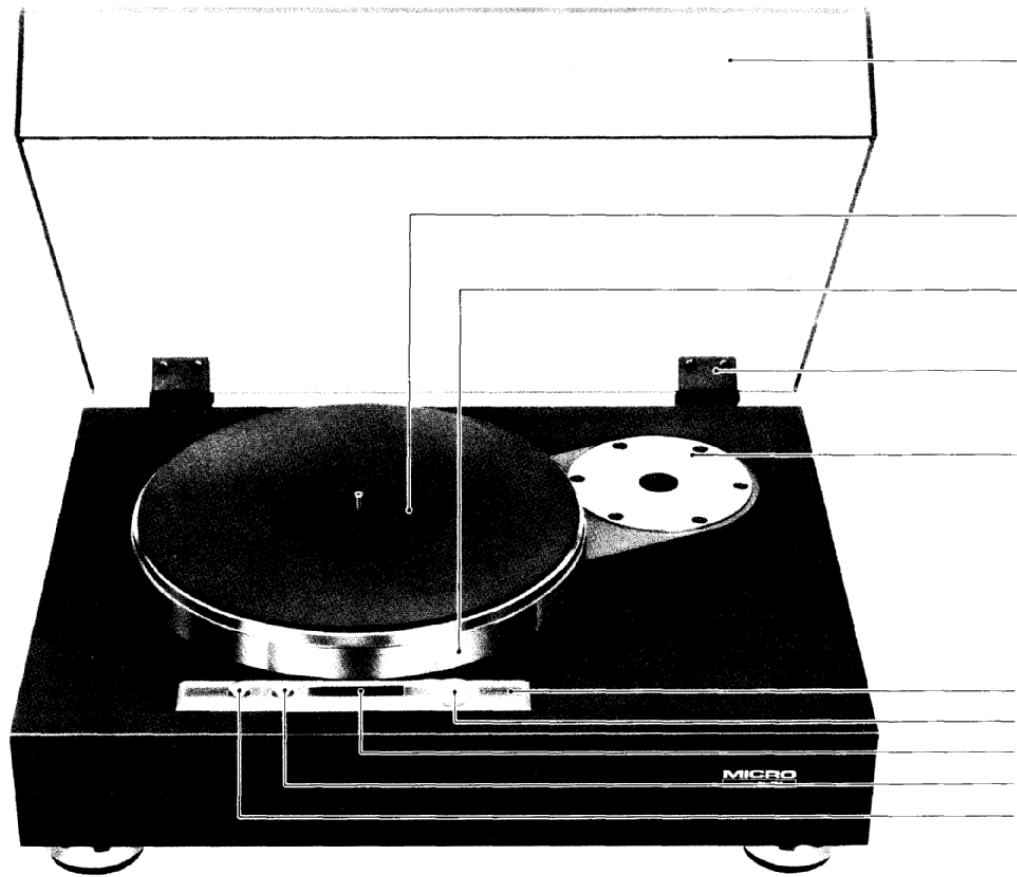
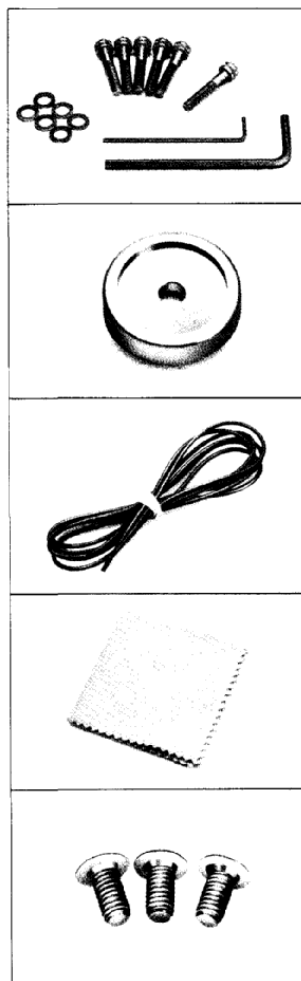


Photo 1

- \_\_\_\_\_ Dust cover
- \_\_\_\_\_ Rubber mat
- \_\_\_\_\_ Main platter
- \_\_\_\_\_ Hinge
- \_\_\_\_\_ Mounting base
- \_\_\_\_\_ Control panel
- \_\_\_\_\_ Fine speed control knob
- \_\_\_\_\_ Strabo window
- \_\_\_\_\_ Speed selector
- \_\_\_\_\_ Power switch

▪ **Accessories**

|  |   |
|--|---|
| Hexagonal wrench . . . . .                 | 2 |
| Mounting base screws                       |   |
| M5 x 16 . . . . .                          | 6 |
| Flat washers . . . . .                     | 6 |
| RB-5, optional tonearm rest mounting screw |   |
| M5 x 25 . . . . .                          | 1 |
| Flat washers . . . . .                     | 1 |
| 45 rpm adapter                             |   |
| Ground wire . . . . .                      | 1 |
| Polish cloth                               |   |
| Main platter mounting screws               |   |
| M4 x 8 . . . . .                           | 3 |



## ASSEMBLING THE PLATTER

- **Removing the clamp screws**

For safety reason, BL-101's sub platter is fixed with the three clamp screws (Photo 2). Before operation, be sure to remove the three red-painted screws.

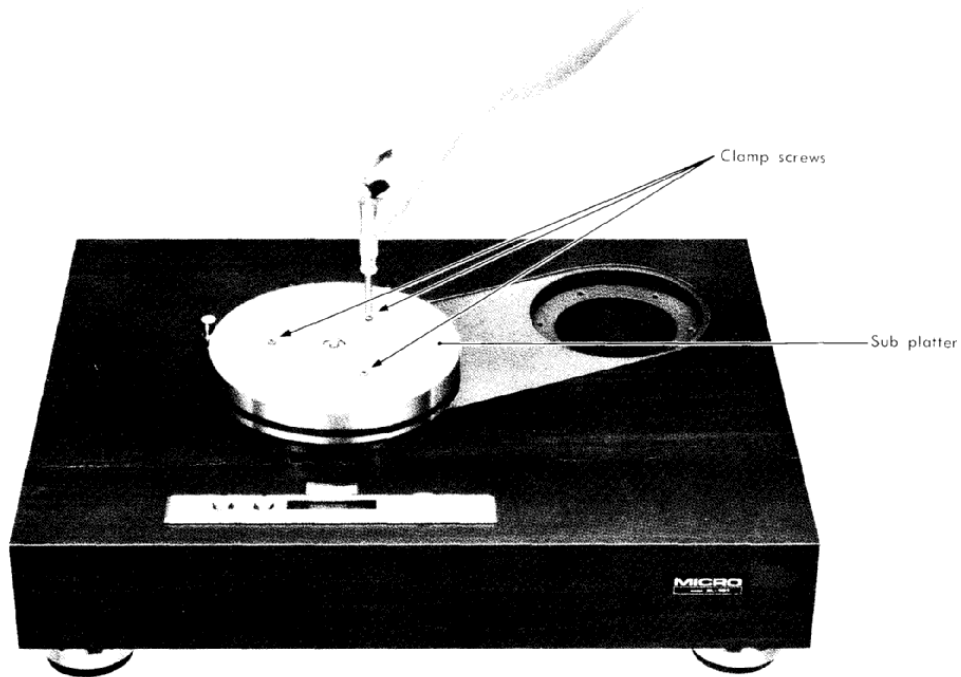


Photo 2

- **Attaching the belt**

- I) Place the belt which is accessory to the sub platter over the pulley properly, as shown in Fig. 1.
- II) Once the belt has been attached properly, rotate the platter several times and see if the belt is horizontal to the side of the platter.

**Note:**

- Be careful not to allow oil, etc. to come into contact with the pulley belt sections or the belt itself. If this warning is not heeded, the belt may slip and this will cause fluctuations in the platter rotation.
- Get into the habit of wiping the two sides of the belt with a cloth dipped in alcohol or benzine regularly.

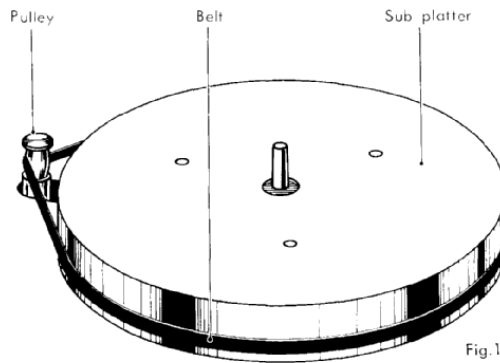


Fig.1

• **Mounting the main platter**

Take out the main platter.

Place the main platter over the platter shaft so that the locations of the three holes for securing the main platter and the locations of three screw holes for securing the sub platter coincide.

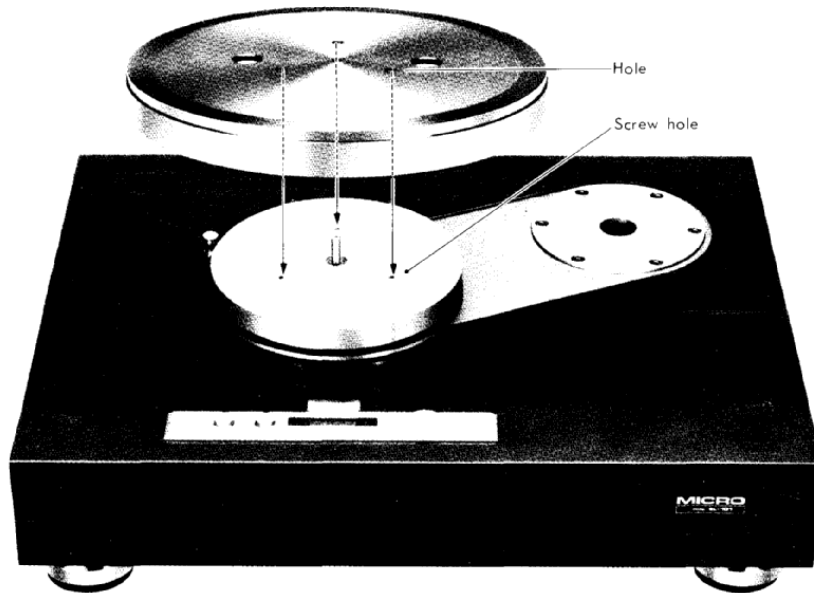
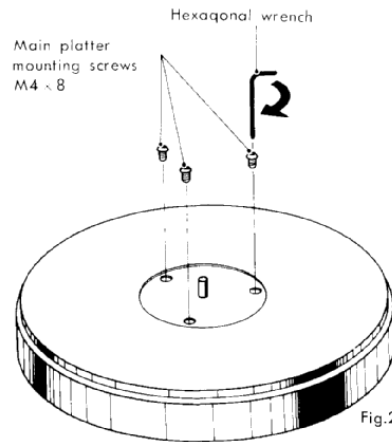


Photo 3

Once the main platter has been mounted properly, secure it using the screws specially provided with the main platter for this purpose.

As soon as the platters have been set properly, place the accessory rubber mat on top.

**Note:** • The sub platter has been given a "clear coating" for rust prevention. Under no circumstances should it be wiped with alcohol or thinners since these substances may cause it to change color or to corrode. When it becomes dirty, clean with a soft, dry cloth or wipe off the dirt with a cloth dipped in water and wrung out.



- **Mounting the tonearm**

- **Setting the tonearm**

First, provisionally anchor the tonearm to the mount base and then check the designated overhang. Now secure the tonearm properly to the mounting base and then attach the base to the cabinet using the accessory screws (M5 x 16) as shown in Fig. 3.

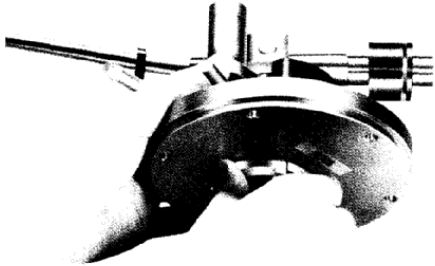
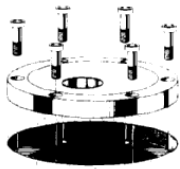


Photo 4



M5 x 16

Mounting base

Fig.3

- **Selecting the mount base (A-1200 series)**

The unit comes with an accessory mount base for mounting the tonearm but other models are also available depending on the effective length of the tonearm and the shape of the base. Choose a mount base from amount those listed below in accordance with the tonearm you plan to use. Additional bases are optional.

- **A-1201**

MICRO/MA 505X, S, 707X, CF-1, CF-2, AUDIO CRAFT/AC 300MK II, SAEC/WE 407/23, TECHNICS/EPA 99

- **A-1202**

SAEC/WE 308N, 308SX

- **A-1203**

FR/FR 64, 64S, 14

- **A1-204**

FR/FR 24 II, 54, DENON/DA 303, 305, 307, 399, 401

VICTOR/UA 5045

- **A-1205**

MICRO/MA 505X II, S II, 808X, MA 505MK III

AUDIO CRAFT/AC 3000MC

- **A-1206**

SME/3009 S II, S III

Mount bases for other tonearms are supplied on a custom-made basis.

- **Mounting position of the mount base**

Mounting the mount base with the index mark aligned as in Fig. 4 automatically produces the required effective length of the tonearm (except in a few cases) and the overhang.

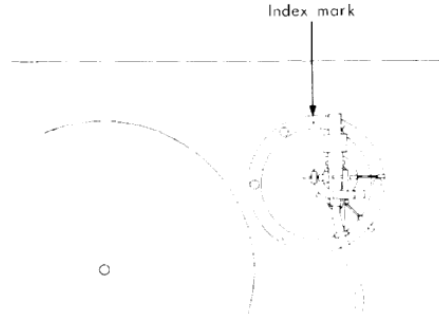


Fig.4

- **Mounting the tonearm rest**

If you use a tonearm rest which is completely separate from the actual tonearm, use the optional RB-5 and you will be able to mount the rest easily without having to drill any holes in the base.

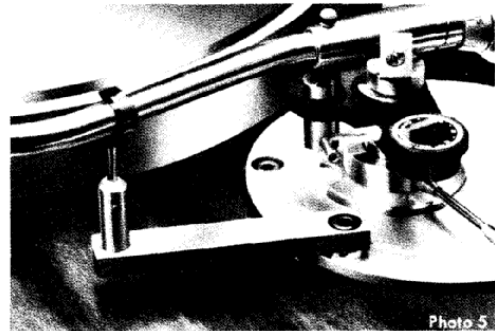


Photo 5



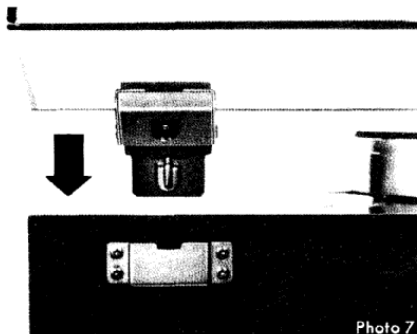
RB-5 optional tonearm rest

Photo 6

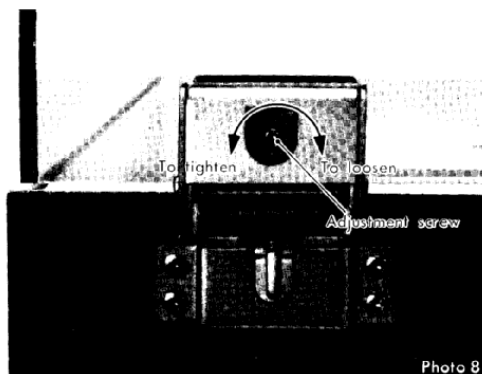
## MOUNTING AND ADJUSTING THE DUST COVER

- **Mounting the dust cover**

Align the metal bracket projection of the dust cover with the metal cutout on the turntable, insert in the direction indicated by the arrow and secure (See Photo 7).



The dust cover is a free stop type. If it does not close completely or closes without stopping, adjust the screw pictured in Photo 8.



## CONNECTION

- **Connecting the ground wire and power cord**

Connect the turntable's ground wire to the amplifier's ground terminal.

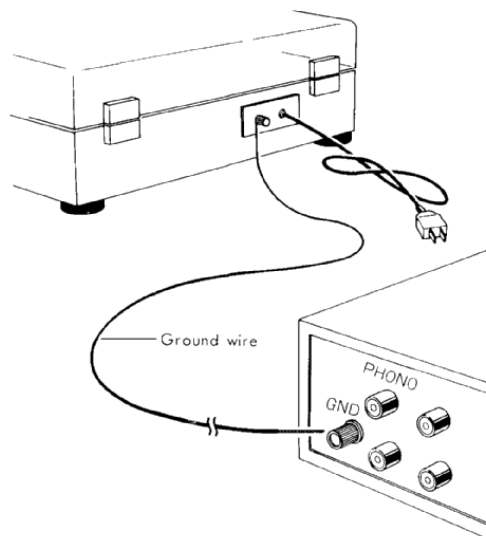
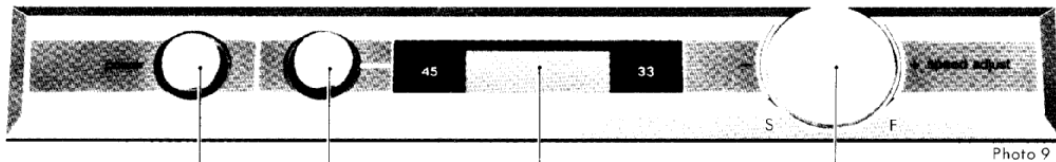


Fig. 5

Connect the AC plug to the AC power outlet. If you connect it to a SWITCHED outlet on the amplifier, power will be supplied to the turntable only when the amplifier's power switch is set to ON.

**Note:** Do not connect the ground wire from the turntable when the tonearm output cords' ground wire and the circuitry form a loop.

## OPERATION



- **Power switch**

When this switch is set to the ON position (■ position), the power is supplied to the turntable and the platter starts to rotate.

When the button is released (□ position), the power is switched off and the platter stops rotating.

**Note:** Do not stop the platter rotating with your hands for a period of time exceeding 30 seconds since this may activate the protection circuit which, in turn, will cause the fuse to blow. Always depress this button to stop the rotation.

- **Speed selector**

Set this switch to the position which corresponds to the rated rpm speed of the record.

Released (□) position: 33-1/3 rpm records.

Depressed (■) position: 45 rpm records.

- **Strobo window**

- **Fine speed control knob**

It is possible to make the platter rotate up to 6% (semitone pitch) slower or faster than the rated rotational speed. The speed is increased in the "F" direction and reduced in the "S" direction. The rated speed is indicated when the stripes on the stroboscope appear to stand still.



## HANDLING PRECAUTIONS AND MAINTENANCE

### • Center shaft wear

The BL-101's center shaft is constructed with an oil bath in order to cope with heavy loads and aging. This means that the service life of the oil and bearings are semipermanent and that they do not require replacement. This is, therefore, a maintenance-free type of shaft. Along with MICRO's guarantee of the durability of the center shaft, it will be replaced if anything goes wrong with it in the course of normal operation.

**Note:** Do not remove the rear cap of the center shaft. If this warning is not heeded, the oil which is hermetically sealed will escape and this will cause trouble.

In cases like this, the proper operation and performance of the unit cannot be guaranteed.

### • Belt replacement

Replace the belt about every two years in order to maintain the initial characteristics.

Ask for the B-101 replacement belt at your dealer's.

### • Oiling the motor

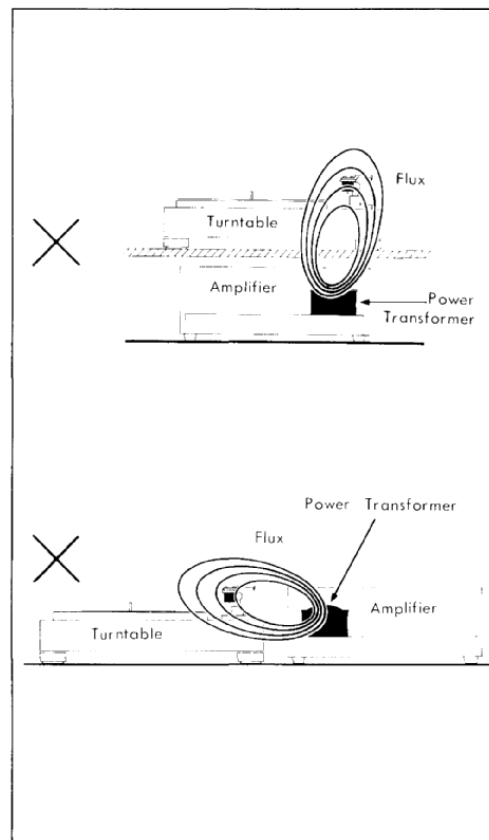
The BL-101's motor uses a special oil and it does not require lubrication. If another oil is used for lubrication, this will result in a trouble. (If something goes wrong with the motor, get in touch with your dealer's servicing department.)

### • Adjusting the shock absorber height (8mm max.)

The height of the BL-101's shock absorbers can be varied. Adjust the height of the four shock absorbers to keep the turntable installed horizontally.

### • Installing the turntable

- (1) If the turntable is installed near the amplifier or near a piece of equipment using a transformer, its performance will be adversely affected by the magnetic flux leakage and this may cause hum. In particular, remember that MC (moving coil) cartridges are susceptible to flux and that the amplifier should be installed as far away from the turntable as possible.
- (2) Turntables do not take kindly to vibration. Do not install the BL-101, therefore, in front of a speaker (where it will be in the direct path of the sound waves), or on top of a speaker, and keep it as far away from a wall as possible.
- (3) Do not install the turntable at an angle. Select an installation location which is perfectly flat.



## SPECIFICATIONS

### • BL-101

|                                     |   |
|-------------------------------------|---|
| Drive system                        | Belt drive system   |
| Motor                               | 4-pole, 6-slot outer rotor brushless servo controlled       |
| Power requirements                  | U.S.A. & Canada 120V, 60Hz,<br>Other areas 220–240V 50/60Hz |
| Power consumption                   | 6.5W at 120V and 220V                                       |
| Speed                               | 33-1/3, 45 rpm  |
| Wow/flutter                         | 0.025% (WRMS) JIS   |
| Signal-to-noise ratio               | more than 75 dB (DIN B)                                     |
| Speed variable range                | ± 6%  |
| Main platter                        | Aluminum diecast 30.5cm diameter, 3 Kg (only platter)       |
| Sub platter                         | Zinc 18cm diameter, 1.4 Kg.                                 |
| Moment of inertia                   | 572 kg.cm <sup>2</sup> (including sub platter)              |
| Dimensions                          | 532(W) x 420(D) 215(H) mm                                   |
| Weight                              | 18 Kg   |
| Adjusting the shock absorber height | 8 mm max.   |

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