

OPERATING MANUAL

MICRO SEIKI

MB-12ST

HIGH FIDELITY TURNTABLE SYSTEMS

Parts nomenclature

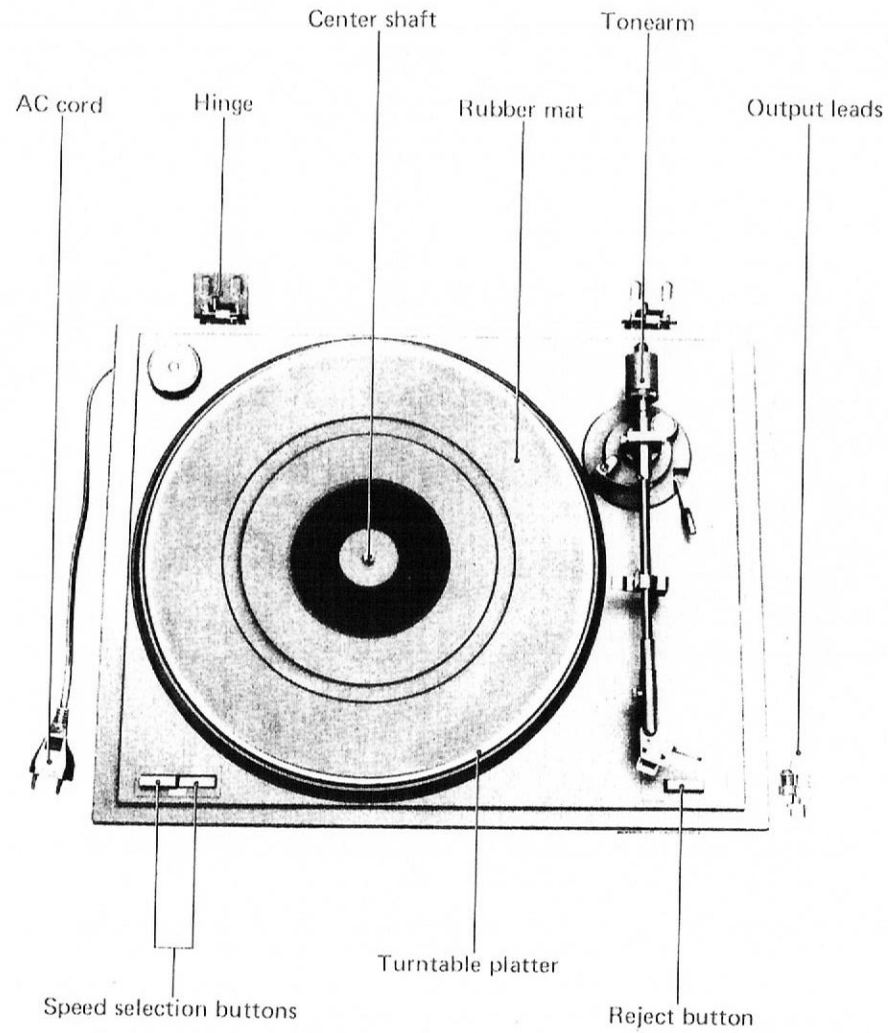
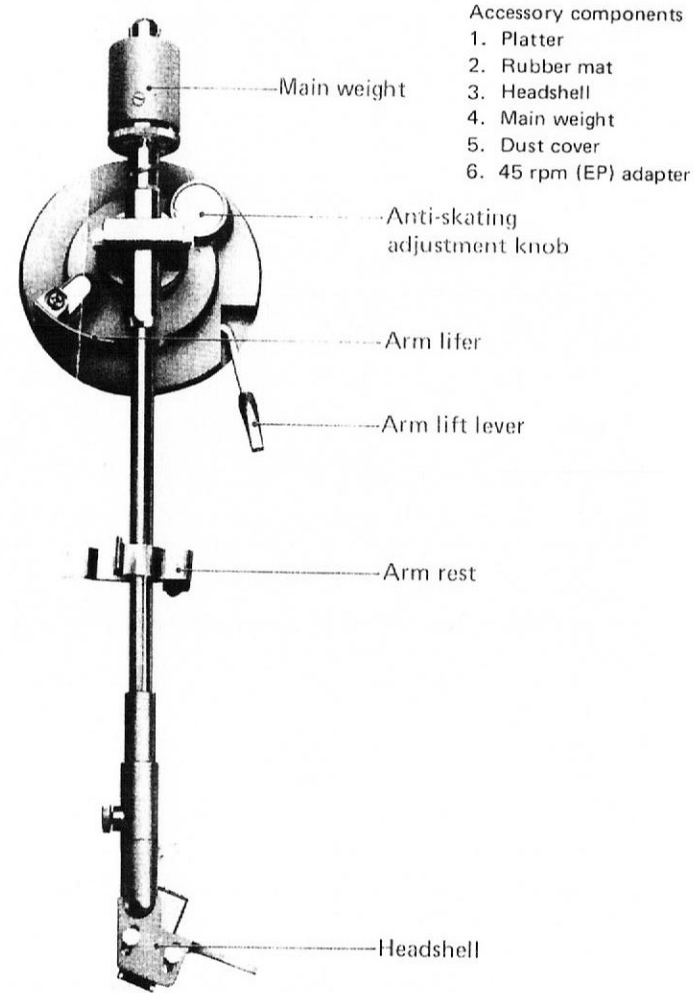


Photo 1



Accessory components

1. Platter
2. Rubber mat
3. Headshell
4. Main weight
5. Dust cover
6. 45 rpm (EP) adapter

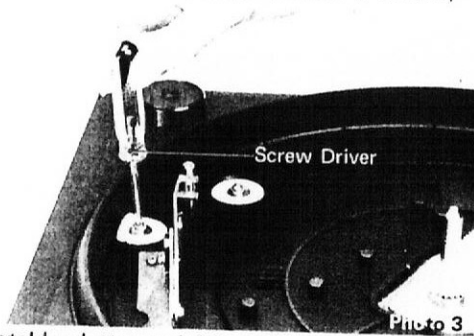
Photo 2

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

Turntable & Tonearm Assembly

Remove clamp screws

For safety reason, MB-12ST is shipped with the turntable mounting board, motor and base fastened together by clamp screws. Before operation, be sure to remove two red-painted screws. (Photo 3)

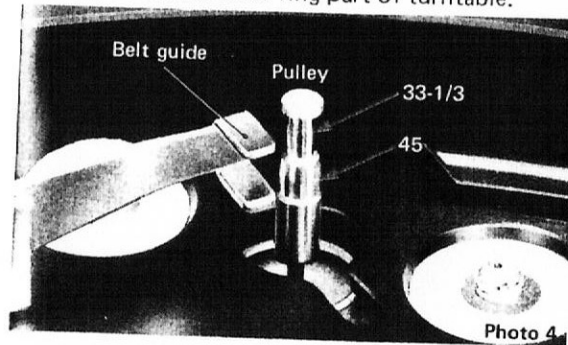


Turntable platter and drive belt

Loop the belt between the pulley and the drive rim of turntable platter, making sure that belt passes through the center of the belt guide.

The narrowest part of the pulley is for 33-1/3 r.p.m. speed and wider part is for 45 r.p.m. Be sure to avoid any oil or dust from adhering to the belt while handling (your hands should be clean). (Photo 4)

Belt is put on the inner ring part of turntable.



Cartridge installation and adjustment

1. Installation

A cartridge is not necessarily included at the time of purchase.

Following the method illustrated in Fig. 1, install a cartridge using screws of a suitable length.

(Insert the spacer between the cartridge and headshell in case the tonearm is not horizontal against the record surface, due to the cartridge height.)

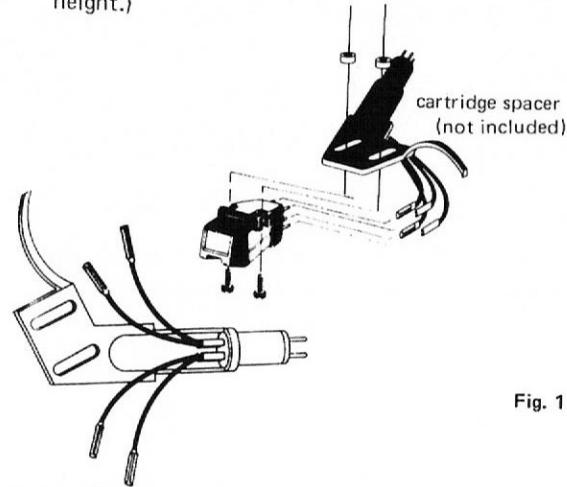


Fig. 1

2. Cartridge connection

Connect the headshell leads to the cartridge using tweezers as shown above. Take care to make the connections correctly, as error will lead to hum or output signal failure. The lead colors are as follows:

- White Left channel (+)
- Blue Left channel (-)
- Red Right channel (+)
- Green Right channel (-)

Overhang adjustment

Overhang refers to the distance by which the stylus exceeds the center shaft of the platter. The turntable tonearm is designed so that tracking error is minimized when the overhang equals 15 mm. In order to obtain the proper overhang 15 mm, set the cartridge onto the shell as shown in the photo 5.

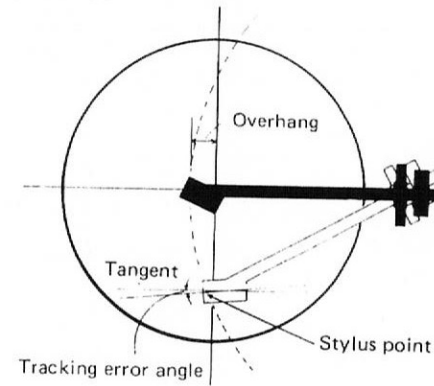


Fig. 2

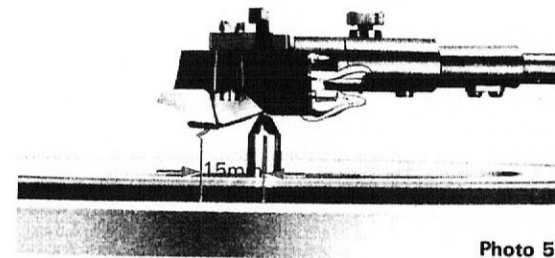
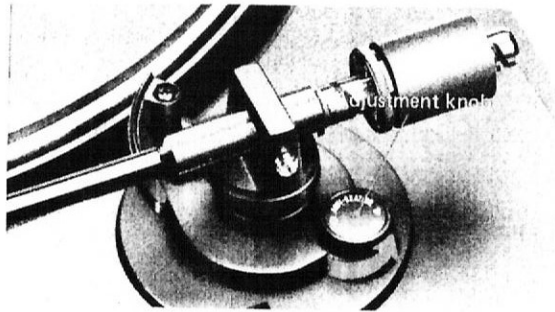


Photo 5

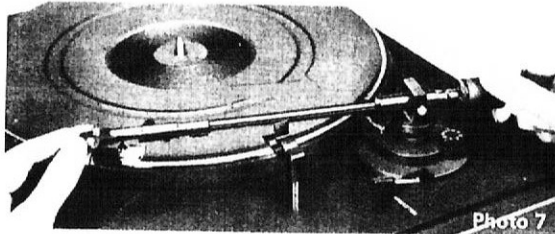
Tonearm Adjustment

Horizontal balancing

1. Turn the anti-skating adjustment knob in the direction, as shown by the arrow, until it stops. (Photo 6)



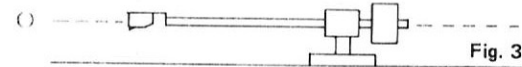
2. Down the arm lift lever
3. Supporting the headshell and main weight as illustrated in Photo 7, turn the main weight, moving it backward or forward, until the proper balance is achieved.



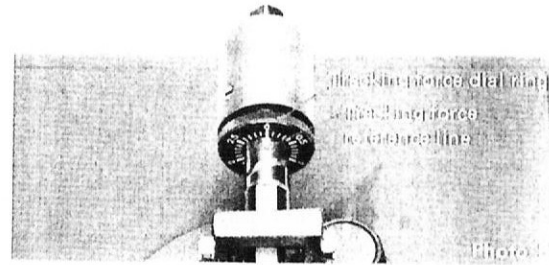
4. Tonearm balance is achieved when (1) the main weight and the headshell cancel each other out; and (2) on release, the tonearm adapts the position shown in Fig. 3.

The example in Fig. 4, illustrates too much weight at the main weight end of the tonearm shaft. Turning the main weight in the direction indicated will achieve balancing.

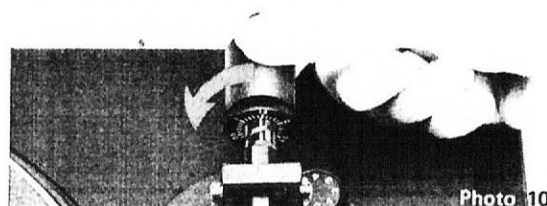
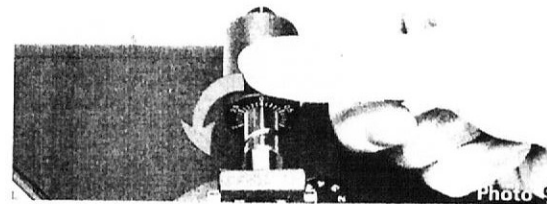
On the other hand, the example in Fig. 5 shows too little weight at the main weight end of the tonearm shaft. Turning in a anti-clockwise direction as illustrated will rectify this imbalance.



Tracking force adjustment

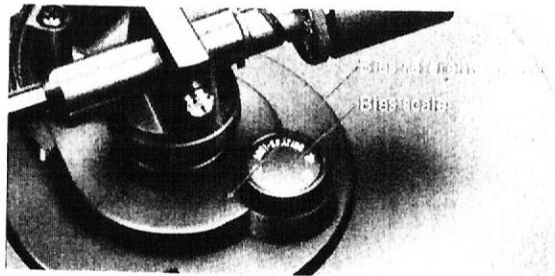


After balancing the tonearm, return it to the arm rest and raise the arm lifter. Turn only the tracking force ring and set the reference line to zero (Photo 9). Next, turn the rear part of the main weight in the arrow indicated direction (Photo 10) so that the tracking force reference line is aligned with the used cartridge stylus pressure, such as 2.0 scale indication for 2.0 gram recommended cartridge. The tracking force ring scale is direct reading in 0.5 gram increments.



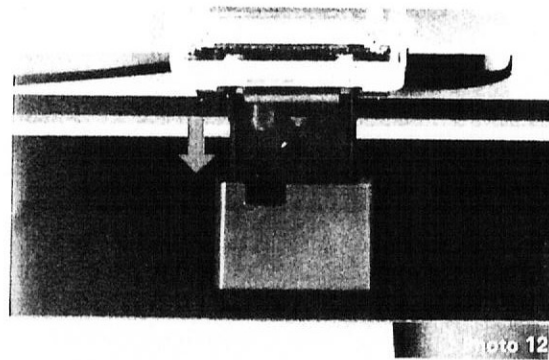
o Anti-skating device adjustment

Anti-skating device is designed to get the correct cancel force where scale indicates the same figure of tracking force and also can be regulated to conform with stylus tip configurations. (Photo 11)



Dust Cover Installation & Connections

Insert the dust cover hinges into the turntable brackets and push down in the arrow indicated direction (Photo 12)



o Connecting to a stereo amplifier or receiver

Connect the output plugs of MB-12ST to the input terminals of the amplifier marked PHONO (or MAG).

1. Connect white pin-plug of the output leads to the left jack of the PHONO terminal of the amplifier.
2. Connect red pin-plug of the output leads to the right jack of the PHONO terminal of the amplifier. (Fig. 6)

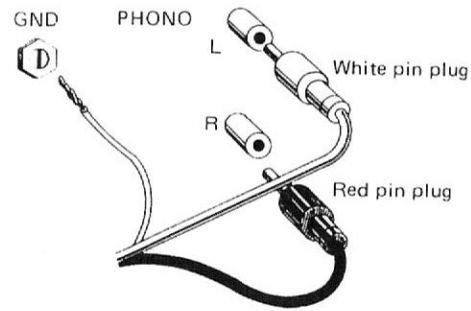
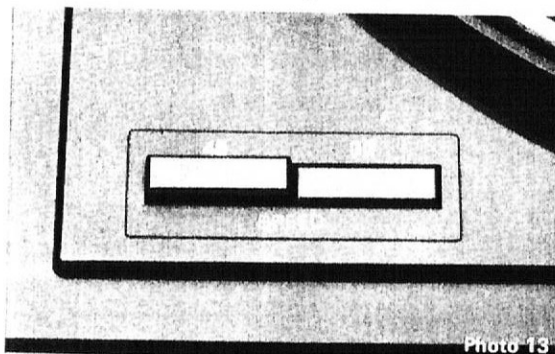


Fig. 6

Operations

1. Press speed selection button to select platter rotating speed according to the record



2. Raise the arm lift lever and slide the tonearm to the desired point above the record.

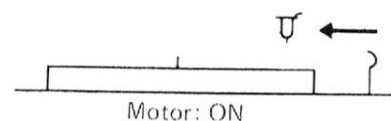


Fig. 7

3. Lower the arm lift lever. The tonearm will gently lower to the record surface and playback will begin.

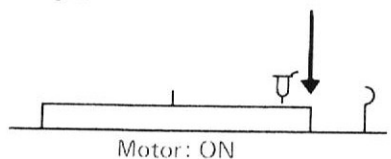


Fig. 8

4. At the end of the record, the tonearm automatically returns and platter rotation stops.

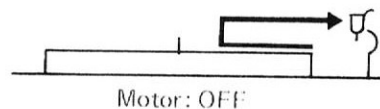


Fig. 9

5. Raising Tonearm in Midst of Record

Raise the arm lift lever. The tonearm will be gently raised while the platter continues to rotate.

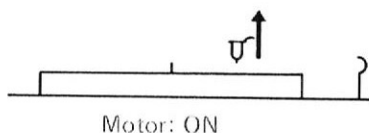


Fig. 10

6. Stopping Play in Midst of Record

Press the REJECT button. The tonearm returns and platter rotation stops.

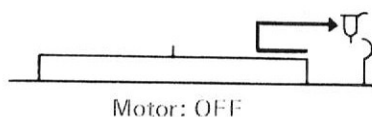


Fig. 11

Handling and Care

• Player location

1. Installing the player near an amplifier, equipment using transformers, or other electromagnetic sources, will most likely cause hum during playback.
2. As installation near or on speakers, very close to a wall or other sources of vibration will encourage howling, the player should be located on a surface not subject to excessive vibration.
3. The player should be installed in a well ventilated area, out of contact with any prominent heat source which might cause the motor to overheat during periods of extended use.
4. This turntable is designed only for indoor use. NO using it outdoors.

As dirt clinging to the stylus will produce distortion and a deterioration of the sound quality, the stylus should be cleaned periodically using the stylus brush.

(Cleaning records with a record cleaner before playing will greatly reduce the amount of dirt and dust on the stylus.)

Avoid location in a dusty place, and when not in use, make certain the dust-cover is closed.

The connections between the tonearm and the headshell and those on the line between the player and the amplifier can sometimes become soiled and consequently less efficient. These points should be wiped occasionally with alcohol or carbon tetrachloride.

As the MB-12ST features a special lubricant, oiling is completely unnecessary. Lubrication with a different kind of oil can lead to damage.

Specifications

Turntable

Drive System	Belt drive with 4-pole synchronous motor
Speeds	33-1/3, 45 rpm
Turntable platter	Die-Cast aluminum 30 cm (11-7/8 inch)
Wow & Flutter	Less than 0.055%
S/N ratio	More than 63 dB (DIN B)
Power	U.S.A., Canada, Venezuela, Taiwan 120V, 8W. Other areas 220-240V, 50Hz 6W

Tonearm

Type	Low static mass straight type with carbon fiber headshell
Effective length	214 mm (8-3/8 inch)
Overhang	15 mm
Maximum tracking error	Less than 3 degree
Range of tracking force adjustment	0-3 g (one turn)
Dimensions	(W) 440 (17-3/8") x (D) 350 (13-3/4") x (H) 128 mm (5-3/8")
Weight	5 Kgs
Carton size	(W) 535 x (D) 450 x (H) 220 mm
Cabinet	Black or silver finish
Suspention system	Cabinet suspended on spring combined shock absorber

* Design and specifications are subject to modification without notice.