NAGAOKA



Operation Manual

NAGAOKA CO., LTD.

www.nagaoka.co.jp MADE IN JAPAN

Read this operation manual carefully before use, and keep it handy for future reference.

The MP cartridge power generation mechanism, an IM type, is that the magnet outside the vibrating system magnetizes the vibrator.

The set magnet selected among the world proven audio parts uses samarium cobalt magnet that produces the extremely strong magnetic force, and the vibrator uses a pipe of super permalloy that features high permeability.

These compact contribute to low distortion in the wide range.

Precautions when using

to thestylus tip and the disc grooves.

free of dirt, dust etc.

tip toward the front.

sold separately.

This cartridge is factory-adjusted with great

Carefully remove any dust on the stylus tip with a soft brush, using strokes from behind the stylus

Recommended stylus cleaner: High-clean #801/2,

Also, the pole piece cylinder uses carbon fiber reinforced plastic to prevent electrostatic noise and to get high strength. And the shield case is made of super permalloy. These help to control unnecessary resonance and maintain high SN ratio

Precautions when installing

Securely install the cartridge on the head shell to prevent resonance. Make sure the lead wires are correctly and securely connected. Do not attempt to solder the connections as doing so may cause disconnections and other failures.

Stylus pressure adjustment

Maintain the stylus pressure within the range specified. The stylus pressure is for an ambient temperature of 20°C.

For lower temperatures, set the stylus pressure a little heavier. For details about adjusting stylus pressure, refer to the operation manual of the record player or the tone arm.

Stylus replacement interval

The stylus replacement interval depends on precision. Be careful not to drop it or touch the actual usage. For general home-use, the stylus stylus tip. Keep the stylus tip and the disc grooves wears after 150 to 200 hours and will begin to affect the sound quality. Replace the stylus as Playing a disc with foreign matter causes damage early as possible to enjoy the best possible sound quality and prevent damage to the disc

Refer to the specifications for the replacement

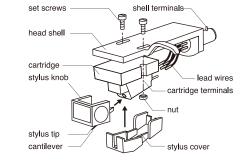
To care for your disc and stylus, refer to the website: https://www.nagaoka.co.jp/item/ For repairs and product handling information, contact the dealer where you purchased this product.

Specifications MP-300·MP-300H MP-200·MP-200H MP-500·MP-500H Output voltage 3 mV (5cm/sec) 3 mV (5cm/sec) 4 mV (5cm/sec) Frequency characteristic 20-25,000 Hz 20-25,000 Hz 20-23.000 Hz Channel separation 27dB (1 KHz) 25dB (1 KHz) 25dB(1 KHz) Channel balance 1.0 dB or less 1.0 dB or less 1.5 dB or less 47 KO 47 KΩ Load resistance 47 KΩ Cantilever Boron Boron Boron 0.4 × 0.7mil elliptical 0.4×0.7 mil elliptical Stylus tip Line contact diamond diamond diamond Stylus pressure 1.3-1.8 q 1.3-1.8 q 1.5-2.0 q Cartridge's weight 7.8 g 7.8 g 6.5 g 16.5 g Weight with head shell 26.1 g 26.1 g Replacement stylus JN-P500 JN-P300 JN-P200

MP-110·MP-110H MP-100·MP-100H MP-150·MP-150H 5 mV (5cm/sec) Output voltage 4.5 mV (5cm/sec) 5 mV (5cm/sec) Frequency characteristic 20-20,000 Hz 20-20,000 Hz 20-20,000 Hz 24 dB (1 KHz) 23 dB (1 KHz) 22 dB (1 KHz) Channel separation 1.5 dB or less 1.5 dB or less 2 dB or less Channel balance 47 KΩ 47 KΩ 47 KΩ Load resistance Cantilever Hardening taper aluminum alloy Aluminum alloy Aluminum alloy Stylus tip 0.4 × 0.7mil elliptical 0.4 × 0.7mil elliptical 0.6mil conical bonded diamond bonded diamond diamond 1.5-2.0 a 1.5-2.0 g 1.8-2.3 q Stylus pressure Cartridge's weight 6.5 g 6.5 a 6.5 g 16.5 a 16.5 g Weight with head shell 16.5 g Replacement stylus JN-P150 JN-P110 JN-P100

Installing the cartridge

To protect the stylus tip during installation, remove the stylus and the stylus cover in advance.



Connect the lead wires to the cartridge terminals

0 0

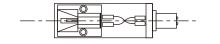
Rear view of cartridge

(00)

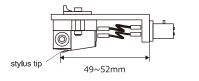
Face of cartridge

by matching symbols and colors.

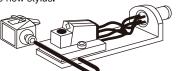
Make sure to insert the cartridge straight and not skewed.



Adjust the overhang properly by referring to the operation manual for the record player.



- 2. Set the tone arm on the arm rest, and remove the head shell with the cartridge.
- 3. Slowly remove the stylus first and then install



For MP-300/500, use the accessory hex wrench to replace the stylus. Fit the hex wrench on the screw on the side of the stylus knob as shown and turn it counterclockwise to remove the screw and the stylus. To install the new stylus reverse the removal procedure

Replacing the stylus

- 1. Turn off the amplifier and the record player.
- the new stylus.



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