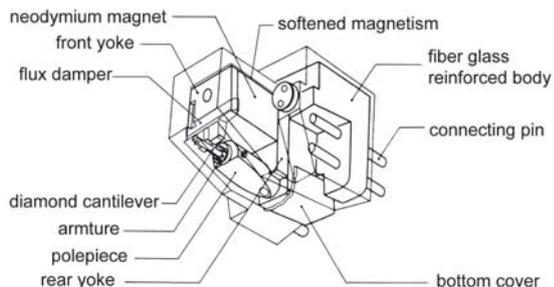


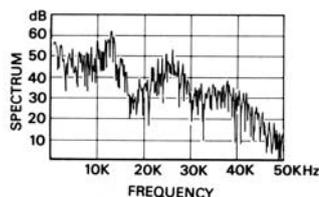
Dynavector MC Cartridge KARAT 17D3

■Description

Karat 17D3 is the first cartridge built using 'dispersion theory'. Its Micro-Ridge stylus and 1.7mm long diamond cantilever give a reduction in 'dispersion' along with improved high frequency extension all the way up to 100KHz. The latest Dynavector's patented magnet circuit design achieved higher output of 0.3mV with crystal clear mid-range and treble even during the largest symphonic crescendos.



Ordinary analogue records whether old or new have a much wider frequency range of recorded signal than is usually supposed. When measured on a high performance spectrum analyzer, frequencies in excess of 50,000Hz are often observed. Modern digital recording techniques does not match this wide band-width, cutting off at 20,000Hz and acting as a brick wall to frequencies higher than this.



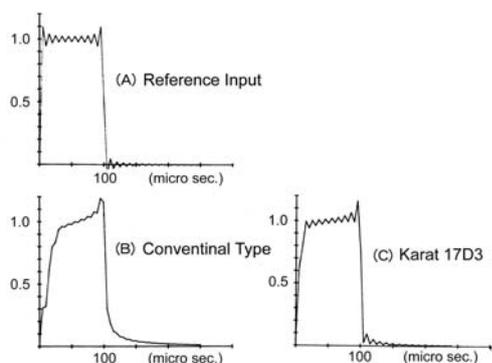
Analogue Record signal Power Spectrum

Record : RCA RX-2325
Berlioz SYMPHONIE FANTASTIQUE
Engene Ormandy
Philadelphia Orchestra

DV Karat cartridges are designed to have a very wide frequency range extending to upwards of 100,000Hz with minimum sound wave dispersion. This increase in band-width greatly adds to the ambience and enjoyment of recorded sound.

■Dispersion

KARAT is designed to have the very small dispersion character as well as the well-extended frequency response up to 100KHz. The theory of dispersion on the cantilever vibration is unduly over-looked in the design of the high performance cartridges. These cartridges have marvelous frequency response in similarity but sound individually.



The effect of dispersion is shown by (A) is the input square waveform comprising harmonic frequency component up to 200th higher harmonic component. (B) shows the wave deformation by the dispersion in 7mm length conventional cantilever. (C) shows the effect of dispersion in 1.7mm cantilever of KARAT17D3. By shorter cantilever the smaller dispersion effect is recognized by these diagrams.

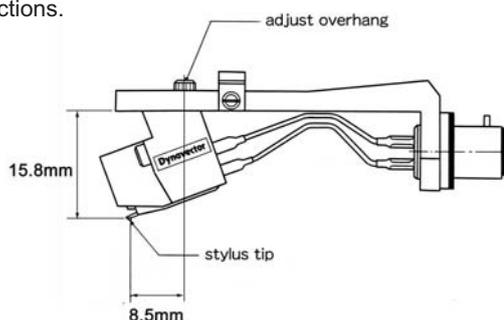
■Flux Damper and Softened Magnetism.(Patents)

MK2 series are installing the flux damper and softened magnetism. By an addition of these two improvements, harshness or irritating edginess that is more or less common to MC cartridges has been eliminated.

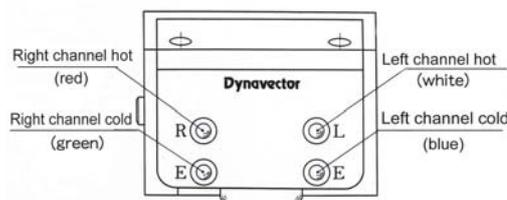
■Fixing to Headshell

(1) The thread size of the mounting holes of the 17D is M2.6, not the usual M2.5, so use the enclosed hardware to mount the cartridge. The thread holes is only 5mm depth, so use the screws of proper length.

(2) When fixing the cartridge to the headshell, adjust the overhang correctly according to tonearm manufacture's instructions.



(3) Connect the lead wires from the headshell to each pin as shown below.



■Specifications

Type	: moving coil with flux damper and softened magnetism
output voltage	:0.3mV(at 1 KHz, 5cm/sec)
frequency response	:20 - 100,000Hz
channel balance	:1dB (1 KHz)
channel separation	:25dB (1 KHz)
compliance	:15 CU
impedance	:32 ohms
stylus	:small size Micro-Ridge
cantilever	:1.7mm long solid diamond
playing weight	: 1.8 - 2.2 grms
recommended load	:>100 ohms
weight	:5.8 grms



This product can be recycled. Products bearing this symbol must NOT be thrown away with normal household waste. At the end of the product's life, take it to a collection point designated for recycling of electrical and electronic devices. Find out more about return and collection points through your local authority.

The European Waste Electrical and Electronic Equipment (WEEE) Directive was implemented to dramatically reduce the amount of waste going to landfills, thereby reducing the environmental impact on the planet and on human health. Please act responsibly by recycling used products. If this product is still useable, consider giving it away or selling it.

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