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AT-OC9 MC /A:-OC/ MC | ual Moving Coil Phono Cartridge: Instruction Manual

Read this manual carefully before using the AT-OC9 AT-OC7.

AT-OC9/AT-OC7 Features

Light weight volume vibration series.

This series employs a prismatic nude diamond needle realizing robust performance and highspeed transmission. The armature is designed in the shape of a reverse "V" (the AT-OC7 is a standard "V") and ceramic-type adhesive is used to join it to the cantilever giving additional staibility to the trace of the needle vie the vertical stabilizer.

High-efficiency magnetic circuit.

Incorporates a powerful samarium cobalt magnet in the magnetic circuit. The greater magnetic density between NS yoke poles improves the electrical generation.

PCOCC coil

The Pure Copper by Ohno Continuous Casting process (PCOCC)

has revolutionized transparent transmission and has raised to a high level the efficiency and accuracy of the transmission.

PCOCC crystalline structure



Normal OFC crystalline structure



 The housing is strengthened with a super technihard material. A technihard saphire crystal membrane, a development of the NASA space program, is employed in the base and the housing is silverplated yielding a system that suppresses unwanted resonance and improves overall resilience and sound transmission speed.

tables having this adjustment). Adjust tonearm pivot base height until the bottom surface of the headshell is parallel with the surface of the record (view straight across the record) Incorrect tonearm height can cause the cartridge to rub the record, and otherwise degrades tone quality 6) A step-up transformer or head amp will be required to connect the car tridge to the amplifier Audio Technica offers several step-up transformers that will provide excellent service. (See the Audio-Technica General Products Catalog) If a transformer is used, input impedance should be 20\O or more, while ideal input impedance for a headamp is 100Ω

5) Adjust tonearm height (on turn

 Recommended Audio Technica stepup transformers

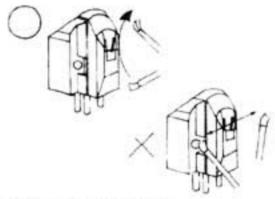
AT800T/OCC AT660T/OCC

Always keep the stylus clean.

The brush provided should be used to keep the stylus tip free of dirt and lint. Use of Audio-Technica stylus cleaners AT607 (optional) is highly recommended.

When the cartridge/headshell assembly is removed from the tonearm, always keep the stylus guard in place,, and store it away from heat sources (such as the amplifier, etc.).

Cleaning the stylus



Brush only from back to front

8) The stylus is replaced by replacing the cartridge itself. When the stylus is worn, take it to your Audio-Technica dealer for replacement at a special price.

Accessories provided with AT-OC9/AT-OC7

Screwdri	ver	1		۲.			١,		ď				
Brush											 		
Cartridge	m	01	ır	iti	ng	5	cr	e	w:	5			
L11 mm	n .		į,									4	
L16 mm													
Nut													

AT-OC9 Technical Data

Frequency response: 15 - 50,000Hz Output voltage: 0.4mV (1kHz,

5cm/sec.)

Channel separation: 30dB (1kHz) Output balance: 1.0dB (1kHz) Vertical tracking force: 1.25 - 1.75g

(1.5g standard value) Coil impedance: 12Ω (1kHz)

DC resistance: 12Ω Load resistance: Headamp: $> 100\Omega$ Transformer: $> 20\Omega$

Coil inductance:50µH (1kHz) Static compliance: 35×10⁻⁶cm/dyne Dynamic compliance: 9×10 cm/dyne Stylus: Special elliptically polished

nude diamond stylus Vertical tracking angle:23 Dimensions: 25.7L×16.8W×17.3H(mm) Weight: 7.8g

(Specifications subject to change without notice.)

AT-OC7 Technical Data

2

Frequency response: 15 - 50,000Hz Output voltage: 0.3mV (1kHz,

5cm/sec.) Channel separation: 29dB (1kHz) Output balance: 1.0dB (1kHz)

Vertical tracking force: 1.25 - 1.75g (1.5g standard value) Coil impedance: 120 (1kHz)

DC resistance: 12Q Load resistance:

Headamp: $>100\Omega$ Transformer: $> 20\Omega$

Coil inductance:50µH (1kHz) Static compliance: 35×10⁻⁶ cm/dyne Dynamic compliance: 9×10 cm/dyne

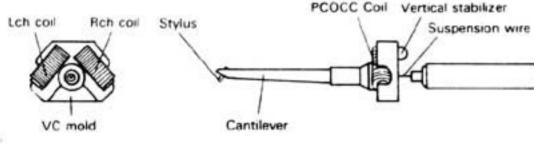
Stylus: Special elliptically polished nude diamond stylus Vertical tracking angle:23

Dimensions: 25.7L×16.8W×17.3H (mm) Weight: 7.8g (Specifications subject to change

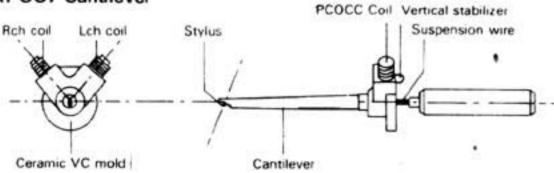
without notice.)

Lch coil Rch coil

AT-OC9 Cantilever



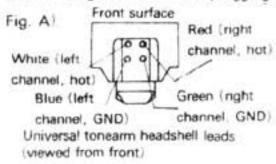
AT-OC7 Cantilever

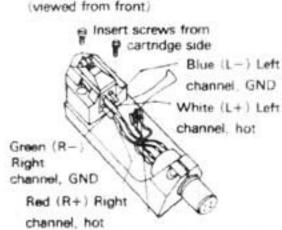


Using the AT-OC9/AT-OC7

1) Begin extremely careful not to damage the cantilever system, mount the cartridge body to the headshell. Do not fully tighten the mounting screws yet

2) Note the polarity of the output pins, and attach the leads from the headshell by fitting the lugs over the pins. Figure A) shows the leads for a universal tonearm headshell. Attach these leads to the cartridge pins of the same color. If the lug fit is loose, press the lugs smaller before plugging

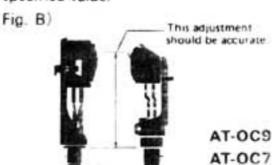




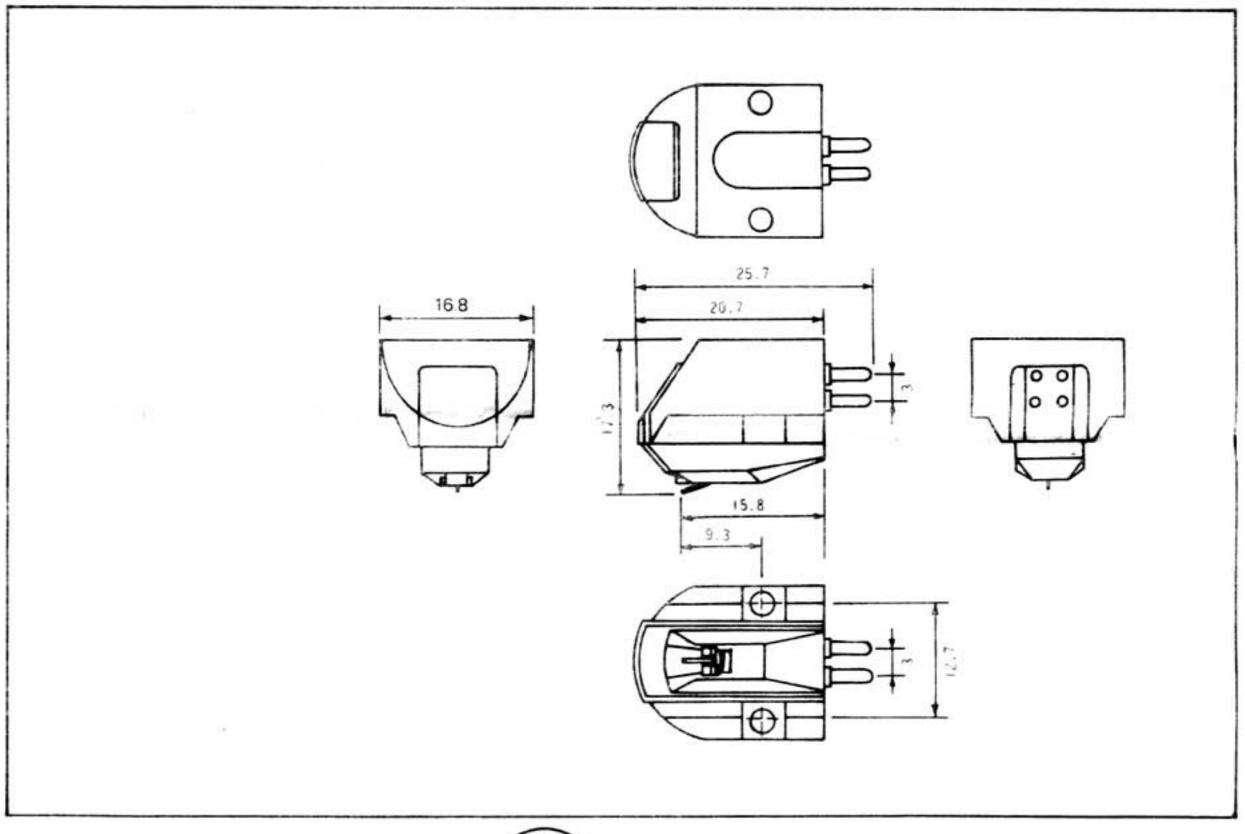
If loose, crimp lug slightly

them in, but never solder or apply heat to these pins.

3) Adjust cartridge overhang. This adjustment will depend on your particular turntable model, and overhang specifications can be found in the turntable instruction manual. If this is not available, line the old cartridge/ headshell assembly face-to-face with the new assembly (Fig. B), and make the adjustment accordingly. Inaccurate overhang will adversely affect tone quality. If possible, this adjustment should be within ±1 mm of specified value.



4) Adjust VTF (vertical tracking force) VTF for AT-OC9/AT-OC7 is 1.5 ±0.25 grams, and the 1.5g standard value should normally be used. However, if your turntable is located in a cold environment, or is subjected to vibrations, use a heavier value (up to 1.75g)





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