



audio-technica®

AT-OC9ML/II

Dual Moving MicroCoil™ Stereo Phono Cartridge

The AT-OC9ML/II Dual Moving MicroCoil™ cartridge is a significant achievement in precision manufacturing, with tolerances held to mere thousandths of an inch. Stringent quality control assures that these tolerances, as well as performance criteria, are maintained by every AT-OC9ML/II cartridge.

In addition, the AT-OC9ML/II features:

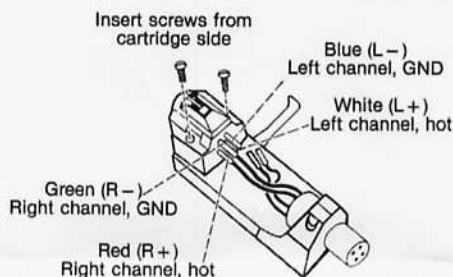
- Dual-coil system for maximum channel separation.
- High-flux samarium cobalt magnet for improved electrical generation.
- PCCO coil windings for low-loss "transparent" signal transmission.
- Gold-plated solid boron cantilever.
- MicroLine™ stylus.

Mounting Instructions

CAUTION

The high-performance nature of the AT-OC9ML/II means also that its stylus assembly is susceptible to damage. USE EXTREME CARE in handling, mounting and using the AT-OC9ML/II. **The stylus assembly is not field-replaceable; the entire cartridge must be returned to the factory when wear or damage occurs.**

1. Being extremely careful not to damage the cantilever system, mount the cartridge body to the tone arm head shell, inserting the screws from the cartridge side.* Do not fully tighten the mounting screws yet.
2. Four terminals at the rear of the cartridge are color-coded to match standard wiring in stereo tone arms. Connect with slip-on lugs provided on the head shell wiring. NEVER SOLDER TO CARTRIDGE TERMINALS! Heat applied to the terminals will damage the internal cartridge wiring.



If loose, crimp lug slightly.

3. Adjust the stylus overhang. Distance from the stylus tip to the center of the turntable should be 15 mm. You can check for correct overhang with the plastic gauge to which your cartridge is mounted in the packaging. You should be certain that the stylus assembly and cartridge body are exactly perpendicular to the record surface, and that the cartridge is aligned with the sides of the tone arm for best performance. Fully tighten mounting screws after this adjustment is complete.

4. Adjust the vertical tracking force (VTF). VTF range for the AT-OC9ML/II is 1.25 grams to 1.75 grams.

5. Adjust the tone arm height (on applicable turntables). If possible, adjust the arm height so that the top of the cartridge is parallel to the record surface when the stylus is cued down.
6. A step-up transformer or headamp is required to connect the AT-OC9ML/II to preamplifiers or receivers that do not have moving coil inputs. If a transformer is used, input impedance should be 20 ohms or higher. If a headamp is used, ideal input impedance is 100 ohms.
7. The stylus should be cleaned with the brush supplied with the cartridge. Use a rear-to-front motion of the brush *only*.

When the cartridge is removed from the tone arm, always keep the stylus guard in place, and store the cartridge away from heat sources.

The stylus/cantilever assembly of the AT-OC9ML/II is not user replaceable. When the stylus requires replacement, contact your authorized A-T dealer to arrange for a factory stylus replacement.

***Note:** These instructions assume that you will be using this cartridge in conjunction with a tone arm having a universal head shell. If your tone arm has a different style head shell, follow the instructions included with your tone arm.

SPECIFICATIONS

AT-OC9ML/II

Frequency Response (Hz)	15-50,000
Vertical Tracking Force (VTF) Range (grams)	1.25-1.75
Channel Separation (dB at 1kHz/10kHz)	31/21
Channel Balance (dB)	1.0
Output (mV at 1kHz, 5 cm/sec)	0.4
Stylus Shape	MicroLine™
Stylus Construction	Nude square shank
Cantilever	Gold-plated solid boron
Wire Used For Coils	PCCO
Recommended Load Impedance (ohms)	20
Dynamic Compliance (x 10 ⁻⁶ cm/dyne, 100Hz)	9.0
Static Compliance (x 10 ⁻⁶ cm/dyne)	35.0
Cartridge Weight (grams)	8.0
Dimensions	1.01" x 0.66" x 0.68"
Mounting	1/2" centers

One-Year Limited Warranty

Audio-Technica brand products purchased in the U.S.A. are warranted for one year from date of purchase by Audio-Technica U.S., Inc. (A.T.U.S.) to be free of defects in materials and workmanship. In event of such defect, product will be repaired promptly without charge or, at our option, replaced with a new product of equal or superior value if delivered to A.T.U.S., or an Authorized Service Center, prepaid, together with the sales slip or other proof of purchase date. **Prior approval from A.T.U.S. is required for return.** This warranty excludes defects due to normal wear, abuse, shipping damage, or failure to use product in accordance with instructions. This warranty is void in the event of unauthorized repair or modification.

For return approval and shipping information, contact the Service Department, Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, Ohio 44224.

Except to the extent precluded by applicable state law, **A.T.U.S. will have no liability for any consequential, incidental, or special damages; any warranty of merchantability or fitness for particular purpose expires when this warranty expires.**

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Outside the U.S.A., please contact your local dealer for warranty details.