

AudioOrigin Universal Turntable Cartridge and Stylus

AudioOrigin Turntable Cartridge and Stylus Instruction Manual

Model Compatibility: Fisher MT30, MT35, MT100, MT125, MT273, MT275, MT640, MT650, MT720, MT6250, MT6330, MT6335, MT6410, MT6420, MT6421, MT6118, MT6455

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your AudioOrigin Moving Magnet Cartridge and Stylus. Designed for high-quality audio reproduction, this cartridge is compatible with a wide range of vintage turntables, including the specified Fisher models. It comes complete with fixing bolts and a stylus guard, offering excellent, warm sound quality.

The AudioOrigin cartridge and stylus are engineered for precise tracking and clear sound, ensuring your vinyl records are played with fidelity. Its robust design ensures durability while maintaining optimal performance.

2. PRODUCT COMPONENTS

Your AudioOrigin Turntable Cartridge and Stylus package includes the following components:

- Moving Magnet Cartridge
- Stylus (pre-installed)
- Spare Stylus
- Brass Mounting Bolts
- Stylus Guard

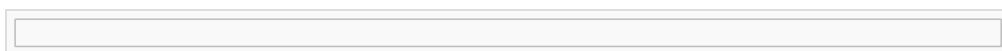


Figure 1: AudioOrigin Turntable Cartridge and Stylus with brass mounting bolts and stylus guard.

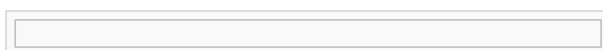


Figure 2: Close-up view of the AudioOrigin stylus component.

3. SETUP AND INSTALLATION

Installation of the cartridge and stylus requires careful handling. Ensure your turntable is powered off and unplugged before beginning. Refer to your turntable's specific manual for tonearm removal and wiring details if necessary.

3.1 Cartridge Installation

1. **Prepare the Turntable:** Power off and unplug your turntable. Carefully remove the existing cartridge or headshell from the tonearm.
2. **Connect Wires:** Gently connect the four color-coded wires from the tonearm to the corresponding pins on the new AudioOrigin cartridge. The standard color code is typically:
 - Red (R): Right Channel Hot
 - Green (RG): Right Channel Ground
 - White (L): Left Channel Hot
 - Blue (LG): Left Channel Ground

Ensure connections are firm but do not apply excessive force.

3. **Mount the Cartridge:** Using the supplied brass mounting bolts, attach the AudioOrigin cartridge to your turntable's headshell. Tighten the bolts just enough to secure the cartridge, allowing for minor adjustments for alignment.
4. **Stylus Installation:** The stylus is typically pre-installed. If not, carefully slide the stylus into the front of the cartridge body until it clicks into place. Ensure the stylus guard is in place during cartridge mounting to protect the needle.
5. **Alignment and Tracking Force:** Once mounted, align the cartridge according to your turntable's specifications (usually using a protractor). Set the tracking force (downforce) to the recommended range of 2.5-3.5 grams. Refer to your turntable's manual for precise adjustment procedures.

3.2 Visual Guide for Stylus Replacement

For a visual demonstration of stylus replacement, please refer to the video below:

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Video 1: Demonstration of record player needle (stylus) removal and installation.

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Video 2: Guide for diamond needle stylus replacement.

4. OPERATING INSTRUCTIONS

Once the cartridge and stylus are correctly installed and aligned, follow these steps to operate your turntable:

1. **Remove Stylus Guard:** Carefully remove the stylus guard from the needle. Store it in a safe place to prevent damage when not in use.
2. **Place Record:** Place your desired vinyl record on the turntable platter.
3. **Start Turntable:** Start the turntable motor and select the correct speed (33 1/3 or 45 RPM).
4. **Lower Tonearm:** Gently lift the tonearm using the cueing lever (if available) and position it over the lead-in groove of the record. Slowly lower the cueing lever to allow the stylus to descend onto the record. Avoid dropping the tonearm directly onto the record.
5. **Enjoy Playback:** The music will begin to play. Adjust the volume on your amplifier or receiver as

needed.

6. **End Playback:** At the end of the record, or when you wish to stop, gently lift the tonearm using the cueing lever and return it to its rest. Replace the stylus guard.

5. MAINTENANCE

Regular maintenance ensures optimal sound quality and extends the life of your stylus and records.

5.1 Stylus Cleaning

Dust and debris can accumulate on the stylus, affecting sound quality and potentially damaging records. Clean the stylus regularly:

- Use a dedicated stylus cleaning brush or a very soft, fine-bristled brush.
- Always brush gently from the back of the stylus towards the front (the direction the record plays). Never brush side-to-side or front-to-back, as this can damage the cantilever.
- For stubborn grime, a small amount of stylus cleaning fluid can be used, applied to the brush, not directly to the stylus.

5.2 Stylus Replacement

The stylus is a consumable part and will wear out over time, typically after 500-1000 hours of playback, depending on care and record condition. Replace the stylus when sound quality degrades (e.g., increased distortion, sibilance) or if visible wear or damage occurs.

- Gently grasp the old stylus assembly and pull it straight forward from the cartridge body.
- Take the new stylus (including the spare provided) and carefully align it with the cartridge body.
- Push the new stylus firmly but gently into place until it clicks securely.
- Re-check tracking force and alignment after replacing the stylus.

6. TROUBLESHOOTING

If you experience issues, consult this section before seeking professional assistance.

Problem	Possible Cause	Solution
No sound or very low sound	Incorrect wiring; amplifier input not selected; damaged stylus.	Check all wire connections to the cartridge and amplifier. Ensure the correct input (Phono) is selected on your amplifier. Inspect stylus for damage.
Distorted or muffled sound	Dirty stylus; incorrect tracking force; worn stylus; improper alignment.	Clean the stylus. Verify tracking force is within 2.5-3.5 grams. Check cartridge alignment. Replace stylus if worn.
Skipping or jumping	Incorrect tracking force; dirty or damaged record; damaged stylus; turntable not level.	Increase tracking force slightly (within recommended range). Clean record. Inspect stylus for damage. Ensure turntable is on a level surface.
Humming noise	Grounding issue; proximity to electrical interference.	Ensure turntable is properly grounded to your amplifier. Move turntable away from other electronic devices.

7. SPECIFICATIONS

- **Type:** Moving Magnet Cartridge
- **Frequency Response:** 20-20,000 Hz
- **Channel Separation:** > 15dB at 1kHz
- **Recommended Downforce:** 2.5-3.5 grams
- **ASIN:** B075CS45F3
- **Date First Available:** August 31, 2017

7.1 Compatible Turntable Models

This cartridge and stylus are compatible with, but not limited to, the following Fisher turntable models:

- Fisher MT30
- Fisher MT35
- Fisher MT100
- Fisher MT125
- Fisher MT273
- Fisher MT275
- Fisher MT640
- Fisher MT650
- Fisher MT720
- Fisher MT6250
- Fisher MT6330
- Fisher MT6335
- Fisher MT6410
- Fisher MT6420
- Fisher MT6421
- Fisher MT6118
- Fisher MT6455

8. WARRANTY INFORMATION

For detailed warranty information regarding your AudioOrigin Turntable Cartridge and Stylus, please refer to the manufacturer's official website or the product packaging. Warranty terms and conditions may vary.

9. CUSTOMER SUPPORT

Should you require further assistance, have questions about installation, operation, or maintenance, please contact AudioOrigin customer support. Visit our official website for contact details and additional resources.