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› AudioOrigin Cartridge and Stylus Instruction Manual for Hitachi HT50S, HT20S, HT21, HT40S, HT65S, HT67, HT68, HTM50, HT40S, HT41S, HT45, HT500

AudioOrigin 4330368643

AudioOrigin Cartridge and Stylus Instruction Manual

For Hitachi HT50S, HT20S, HT21, HT40S, HT65S, HT67, HT68, HTM50, HT40S, HT41S, HT45, HT500 Turntables

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your AudioOrigin Moving Magnet Cartridge and Stylus. This high-quality audio component is designed to deliver excellent, warm sound and is compatible with a range of vintage Hitachi turntables, including models HT50S, HT20S, HT21, HT40S, HT65S, HT67, HT68, HTM50, HT40S, HT41S, HT45, and HT500.

Please read these instructions carefully before proceeding with installation to ensure proper setup and optimal performance.

SAFETY INFORMATION

- Always handle the cartridge and stylus with care. The stylus tip is delicate.
- Disconnect power to your turntable before installing or replacing the cartridge.
- Keep small parts, such as mounting bolts, out of reach of children.
- Avoid touching the stylus tip with your fingers to prevent damage and contamination.

SETUP

1. Unpacking and Contents

Carefully remove the cartridge and stylus from its packaging. Verify that all components are present:

- Moving Magnet Cartridge
- Stylus (pre-installed or separate)
- Spare Stylus
- Brass Mounting Bolts (for improved isolation and mass)
- Stylus Guard

2. Mounting the Cartridge

If your turntable uses a removable headshell, detach it from the tonearm. If not, proceed with caution while the tonearm is secured.

1. Carefully align the cartridge with the mounting holes on your headshell.
2. Insert the brass mounting bolts through the headshell and into the cartridge body. Secure them loosely with the nuts.
3. Do not fully tighten the bolts yet, as you may need to adjust the cartridge position for alignment.



Image: AudioOrigin Cartridge shown with brass mounting bolts. The cartridge body is black with four pins at the rear for electrical connections, and the brass bolts are visible next to it.

3. Connecting Wires

Connect the four color-coded wires from your tonearm to the corresponding pins on the back of the cartridge. Ensure a firm but gentle connection. The standard color code is:

- Red: Right Channel Hot (R+)
- Green: Right Channel Ground (RG-)
- White: Left Channel Hot (L+)
- Blue: Left Channel Ground (LG-)

4. Stylus Installation (if not pre-installed)

If the stylus is separate, carefully hold the cartridge body and gently slide the stylus assembly onto the front of the cartridge until it clicks securely into place. Ensure the stylus guard is in place during this step to protect the tip.

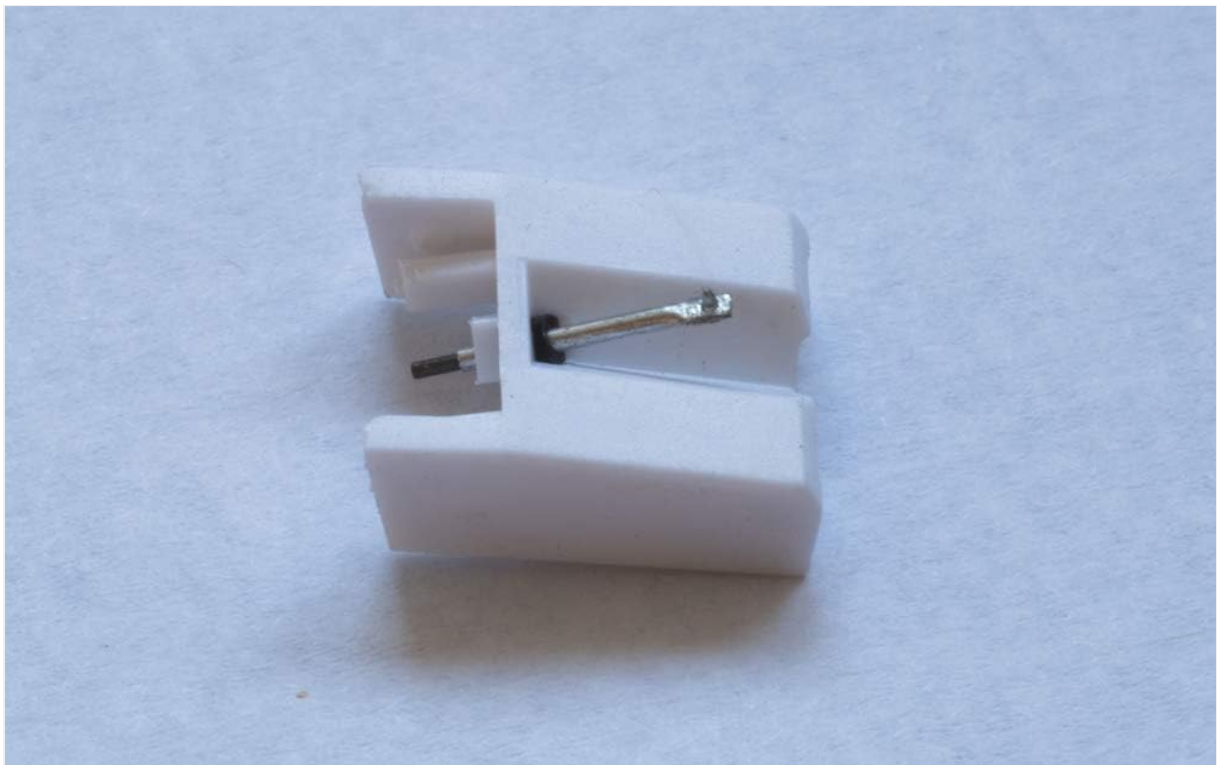


Image: A white replacement stylus for the AudioOrigin cartridge, showing the cantilever and diamond tip.

5. Tracking Force Adjustment

The recommended tracking force for this cartridge is between **2.5 and 3.5 grams**. Use a reliable tracking force gauge to set the downforce accurately. Incorrect tracking force can lead to poor sound quality and premature stylus wear.

6. Cartridge Alignment

For optimal sound reproduction and to minimize record wear, proper cartridge alignment is crucial. This involves setting the overhang and zenith. Refer to your turntable's manual or an alignment protractor for detailed instructions on how to achieve correct alignment. Once aligned, fully tighten the mounting bolts.

OPERATING INSTRUCTIONS

Once the cartridge is properly installed and aligned, you can begin playing records.

1. Ensure the stylus guard is removed before playing.
2. Place a record on the turntable platter.
3. Use the tonearm lift mechanism to gently lower the stylus onto the record's lead-in groove.
4. At the end of the record, use the tonearm lift to raise the stylus and return the tonearm to its rest.
5. Always replace the stylus guard when the turntable is not in use to protect the stylus.

MAINTENANCE

Stylus Cleaning

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

- Use a soft stylus brush, brushing gently from back to front (never side-to-side or front-to-back).
- For stubborn dirt, a specialized stylus cleaning fluid can be used sparingly, following the product's

instructions.

Cartridge Body Cleaning

Wipe the cartridge body with a soft, dry, lint-free cloth to remove dust.

Stylus Replacement

The stylus is a consumable part and will wear out over time, typically after 500-1000 hours of play, depending on care and record condition. Signs of wear include:

- Degraded sound quality (e.g., distortion, sibilance)
- Increased record wear

Replace the stylus with a genuine AudioOrigin replacement stylus to maintain optimal performance. Refer to the "Stylus Installation" section for replacement steps.

TROUBLESHOOTING

No Sound or Weak Sound

- **Check Connections:** Ensure all four tonearm wires are securely connected to the cartridge pins and that the tonearm cable is connected to your amplifier/receiver.
- **Phono Input:** Confirm your amplifier/receiver is set to the correct phono input.
- **Amplifier/Receiver Settings:** Verify volume and input selections on your audio system.

Distorted Sound or Sibilance

- **Tracking Force:** Re-check the tracking force with a gauge. It should be between 2.5 and 3.5 grams.
- **Cartridge Alignment:** Verify that the cartridge is correctly aligned in the headshell.
- **Stylus Condition:** Inspect the stylus tip for dirt or damage. Clean or replace if necessary.
- **Record Condition:** Ensure the record is clean and free from scratches or warps.

Humming or Buzzing Noise

- **Ground Wire:** Ensure the turntable's ground wire is securely connected to the ground terminal on your amplifier/receiver.
- **Cable Routing:** Keep audio cables away from power cables and other electrical interference sources.
- **Component Placement:** Move the turntable away from other electronic devices that might emit electromagnetic interference.

SPECIFICATIONS

Feature	Specification
Frequency Response	20-20,000 Hz
Channel Separation (1kHz)	> 15dB
Recommended Downforce	2.5-3.5 grams
Cartridge Type	Moving Magnet

Item Weight	15.8 ounces
Model Number	4330368643
ASIN	B0759MF2QK

WARRANTY INFORMATION

Specific warranty details for this AudioOrigin product are typically provided at the point of purchase or by the manufacturer. Please retain your proof of purchase. For information regarding warranty coverage, terms, and conditions, please contact your retailer or the AudioOrigin customer support directly.

CUSTOMER SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact the retailer from whom you purchased the product. You may also visit the AudioOrigin official website for additional support resources or contact information.