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› AudioOrigin Turntable Cartridge and Spindle Oil Kit Instruction Manual

AudioOrigin Compatible with Sharp SG-320H, SG-220X, SG-309H, RPU712, SG-500h, SG-500e, SG-220e, SG-400e, SG-400h, SG-320e

AudioOrigin Turntable Cartridge and Spindle Oil Kit Instruction Manual

Brand: AudioOrigin

1. INTRODUCTION

This AudioOrigin kit provides essential components for enhancing your turntable's performance. It includes a solid aluminum headshell pre-mounted with an Audio Technica cartridge and stylus, featuring Silver Litz cartridge wires with gold-plated tabs for optimal signal transfer. Additionally, the kit contains V2 fully synthetic motor and spindle oil, designed to ensure smooth and quiet operation of your turntable's platter.

This kit is specifically designed for compatibility with various Sharp turntable models, including SG-320H, SG-220X, SG-309H, RPU712, SG-500h, SG-500e, SG-220e, SG-400e, SG-400h, and SG-320e.



Image 1: The AudioOrigin Turntable Cartridge, Headshell, and Spindle Oil Kit, showcasing the pre-mounted cartridge on the headshell and the V2 spindle oil bottle.

2. PRODUCT COMPONENTS

The AudioOrigin Turntable Cartridge and Spindle Oil Kit includes the following:

- **Solid Aerospace-Grade Aluminum Headshell:** Provides a stable and rigid platform for the cartridge.
- **Audio Technica Cartridge and Stylus:** Pre-mounted for convenience, offering quality audio reproduction.
- **Silver Litz Cartridge Wires with Gold-Plated Tabs:** Ensures excellent signal conductivity from the cartridge to the tonearm.
- **V2 Fully Synthetic Motor and Spindle Oil:** Designed for lubricating turntable spindle bearings.

3. SETUP AND INSTALLATION

3.1 Cartridge and Headshell Installation

1. **Preparation:** Carefully power off and unplug your turntable. If present, remove the existing cartridge and headshell from your turntable's tonearm.
2. **Mounting the Headshell:** Gently insert the AudioOrigin headshell into the tonearm's socket. Ensure it is fully seated.
3. **Securing:** Secure the headshell by tightening the locking ring on the tonearm. Do not overtighten.
4. **Wire Connection Check:** The cartridge wires are pre-connected. Verify that the connections are secure and correspond to the standard color code: Red for Right+, Green for Right-, White for Left+, Blue for Left-.

5. **Tracking Force and Anti-Skate:** Adjust the tracking force and anti-skate settings on your turntable according to your turntable's manufacturer specifications and the Audio Technica cartridge recommendations. Refer to your turntable's user manual for precise instructions.
6. **Alignment:** Perform a basic alignment check to ensure proper stylus positioning. Tools for this are typically included with turntables or can be purchased separately.



Image 2: Close-up view of the AudioOrigin turntable cartridge and headshell assembly, showing the pre-mounted Audio Technica cartridge and wiring.

3.2 Spindle Oil Application

1. **Access Spindle:** Carefully remove the platter from your turntable to expose the spindle bearing. Consult your turntable's manual for specific instructions on platter removal.
2. **Clean Bearing:** Use a clean, lint-free cloth to gently wipe away any old lubricant or debris from the spindle and inside the bearing housing.
3. **Apply Oil:** Apply 2-3 drops of AudioOrigin V2 Turntable Spindle Oil directly onto the spindle. Do not over-lubricate.
4. **Reassemble:** Carefully place the platter back onto the spindle, ensuring it seats correctly. Rotate the platter manually a few times to distribute the oil evenly.
5. **Important Note:** *This V2 lubricant is suitable for most turntables but should **not** be used on turntables with pre-greased or sealed bearings. Refer to your turntable's manual to determine the appropriate lubricant type.*



Image 3: The AudioOrigin V2 Turntable Spindle Oil bottle, used for lubricating turntable spindle bearings.

4. OPERATING INSTRUCTIONS

After successful installation, follow these general steps to operate your turntable:

1. **Level Turntable:** Ensure your turntable is placed on a stable, level surface to prevent tracking issues.
2. **Place Record:** Carefully place a vinyl record onto the turntable platter.
3. **Start Playback:** Use the cueing lever to gently lower the tonearm, allowing the stylus to settle into the record's lead-in groove. Avoid dropping the tonearm manually.
4. **Adjust Volume:** Adjust the volume on your connected amplifier or receiver to your desired listening level.
5. **End Playback:** At the end of the record, use the cueing lever to lift the tonearm and return it to its rest. Power off your turntable when not in use.

5. MAINTENANCE

5.1 Cartridge and Stylus Care

- **Stylus Cleaning:** Regularly clean the stylus using a soft, anti-static stylus brush. Always brush gently from the back of the stylus towards the front. Never brush side-to-side.
- **Avoid Contact:** Do not touch the stylus with your fingers, as oils and dirt can accumulate and degrade sound quality.
- **Inspection:** Periodically inspect the stylus for wear or damage. A worn stylus can cause poor sound quality and potentially damage your records. Replace the stylus if it appears worn or bent.

5.2 Spindle Bearing Maintenance

- **Reapplication:** Reapply spindle oil every 1-2 years, or as recommended by your turntable manufacturer, depending on usage frequency.

- **Cleanliness:** Keep the spindle area free from dust and debris to prevent contamination of the bearing.

6. TROUBLESHOOTING

6.1 No Sound or Weak Sound

- **Cable Connections:** Check all audio cable connections from the turntable to your amplifier/receiver. Ensure they are secure and correctly plugged into the designated 'Phono' input.
- **Cartridge Wires:** Verify that the small cartridge wires are securely connected to the correct pins on the cartridge and headshell.
- **Amplifier Input:** Confirm that your amplifier/receiver is set to the correct input (e.g., 'Phono').
- **Stylus Condition:** Ensure the stylus is not damaged or missing.

6.2 Distorted Sound or Skipping

- **Tracking Force/Anti-Skate:** Re-check and adjust your turntable's tracking force and anti-skate settings according to the cartridge specifications.
- **Turntable Level:** Ensure the turntable is perfectly level. Use a spirit level if necessary.
- **Stylus Cleanliness:** Clean the stylus as described in the Maintenance section.
- **Record Condition:** Inspect your records for dust, debris, or scratches. Clean records thoroughly before playback.

6.3 Platter Not Spinning Smoothly

- **Spindle Oil:** Check the spindle oil level and reapply if necessary, following the instructions in Section 3.2. (Only for non-greased bearings).
- **Obstructions:** Ensure there are no physical obstructions preventing the platter from rotating freely.

7. SPECIFICATIONS

- **Manufacturer:** AudioOrigin
- **ASIN:** B0CTJ5YDC2
- **Cartridge Type:** Audio Technica (pre-mounted)
- **Headshell Material:** Aerospace-grade solid aluminum
- **Wiring:** Silver Litz cartridge wires with gold-plated tabs
- **Lubricant Type:** V2 fully synthetic motor and spindle oil
- **Compatibility:** Sharp SG-320H, SG-220X, SG-309H, RPU712, SG-500h, SG-500e, SG-220e, SG-400e, SG-400h, SG-320e

8. WARRANTY AND SUPPORT

Warranty information for this product is not provided within the available product details. For specific warranty terms, technical support, or any product-related inquiries, please contact AudioOrigin directly through their official website or customer service channels.

