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› **AT Cartridge and Stylus Instruction Manual for Sony PS-FL and PS-LX Series Turntables**

AT 4330367153

AT Cartridge and Stylus Instruction Manual

For Sony PS-FL77, PS-FL770, PS-FL9, PS-FL99, PS-LX410, PS-LX500, PS-LX510, PS-LX520, PS-LX57, PS-LX910 Turntables

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your new AT Cartridge and Stylus. This product is designed to deliver high-quality audio reproduction for compatible Sony turntable models. Please read this manual thoroughly before installation and use.

Compatible Models: Sony PS-FL77, PS-FL770, PS-FL9, PS-FL99, PS-LX410, PS-LX500, PS-LX510, PS-LX520, PS-LX57, PS-LX910.

2. SAFETY INFORMATION

- Handle the cartridge and stylus with care. The stylus tip is delicate and can be damaged by improper handling.
- Keep out of reach of children.
- Avoid touching the stylus tip with your fingers.
- Ensure your turntable is powered off and unplugged before attempting installation or maintenance.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- AT Cartridge with pre-installed Stylus
- Stylus Guard
- Fixing Bolt
- Spare Stylus

4. SETUP AND INSTALLATION

Follow these steps to install the AT Cartridge and Stylus onto your compatible Sony turntable.

- Prepare Turntable:** Ensure your turntable is turned off and unplugged from the power outlet. Carefully remove any existing cartridge or stylus from the tonearm. Refer to your turntable's specific manual for detailed instructions on removing the old cartridge.
- Attach Cartridge:** Align the new AT Cartridge with the headshell of your turntable's tonearm. Use the provided fixing bolt to secure the cartridge firmly but gently. Do not overtighten.



Image 1: AT Cartridge with fixing bolt. This image shows the main cartridge unit with the included fixing bolt, ready for installation onto a turntable's headshell.

3. **Install Stylus (if not pre-installed):** If the stylus is separate, carefully hold the cartridge body and insert the stylus assembly into the front of the cartridge until it clicks into place. Ensure the stylus guard is in the down position to protect the tip during handling.



Image 2: AT Cartridge with stylus guard. This image displays the cartridge with the protective stylus guard in place, indicating proper protection for the delicate stylus tip.

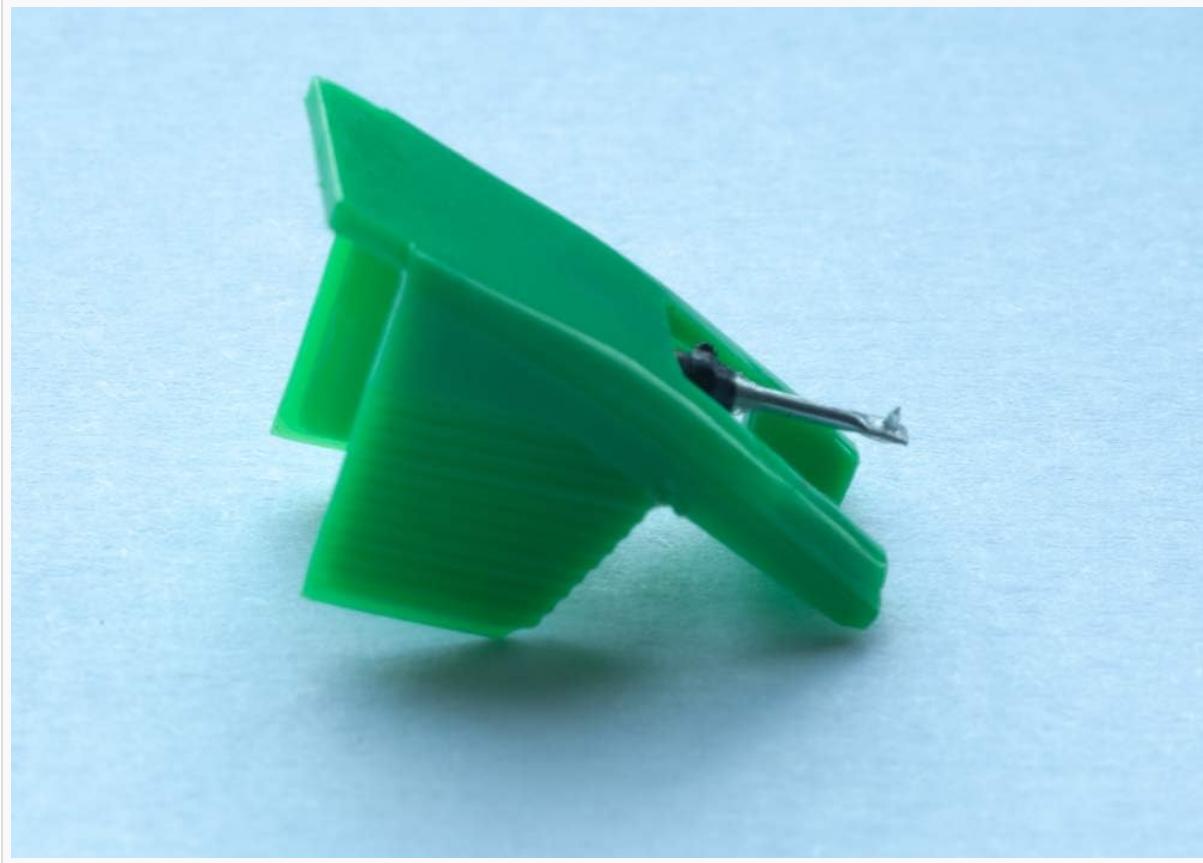


Image 3: Close-up of green replacement stylus. This image provides a detailed view of the green replacement stylus, highlighting its design and the delicate needle tip.

4. **Balance Tonearm and Set Tracking Force:** Refer to your turntable's manual for instructions on balancing the tonearm and setting the tracking force. The recommended downforce for this cartridge is **1.0-1.5 grams**. Proper tracking force is crucial for optimal sound quality and to prevent record and stylus wear.
5. **Connect Turntable:** Once the cartridge is securely installed and the tonearm is balanced, reconnect your turntable to your audio system and power it on.

5. OPERATING INSTRUCTIONS

With the cartridge installed, operate your turntable as usual. Ensure the stylus guard is removed before playing a record. Gently lower the tonearm onto the record's lead-in groove. For best results, keep your records clean and free of dust.

6. MAINTENANCE

- **Stylus Cleaning:** Use a soft brush, specifically designed for stylus cleaning, to gently brush the stylus tip from back to front. Never brush from front to back or side to side, as this can damage the stylus. Clean regularly to remove dust and debris.
- **Stylus Replacement:** The stylus has a finite lifespan. Replace the stylus when you notice a degradation in sound quality, increased surface noise, or visible wear on the stylus tip. Use the provided spare stylus or purchase a genuine AT replacement stylus.
- **Cartridge Cleaning:** Wipe the cartridge body with a soft, dry cloth. Avoid using liquids or solvents.

7. TROUBLESHOOTING

- **No Sound or Weak Sound:**

- Check all connections from the turntable to your amplifier/receiver.
- Ensure the cartridge is properly seated and connected to the headshell.
- Verify that the amplifier input is set to 'Phono'.

• **Distorted Sound or Skipping:**

- Check the tracking force. It should be set between 1.0-1.5 grams.
- Inspect the stylus for damage or debris. Clean or replace if necessary.
- Ensure the record is clean and free of scratches.
- Verify the turntable is level.

• **Humming Noise:**

- Ensure the turntable's ground wire (if applicable) is properly connected to your amplifier/receiver.
- Check for interference from other electronic devices.

8. SPECIFICATIONS

Frequency Response	20-22,000 Hz
Channel Separation (1kHz)	> 22 dB
Recommended Downforce	1.0-1.5 grams
Product Dimensions	0.39 x 0.39 x 0.39 inches
Model Number	4330367153

9. WARRANTY AND SUPPORT

This AT Cartridge and Stylus is manufactured by Audio-Technica. For specific warranty information and technical support, please refer to the official Audio-Technica website or contact their customer service department. Keep your purchase receipt for warranty claims.