

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [MagLite](#) /
- › [Instruction Manual: Diamond Stylus Cartridge for Denon Turntables](#)

## MagLite Diamond Stylus Cartridge

# Instruction Manual: Diamond Stylus Cartridge for Denon Turntables

Model: Diamond Stylus Cartridge | Brand: MagLite

## 1. INTRODUCTION

---

This manual provides comprehensive instructions for the installation, operation, and maintenance of your new MagLite Diamond Stylus Cartridge. Designed for compatibility with Denon DP 57L, DP 59L, DP 60L, and DP 72L turntables, this moving magnet cartridge delivers excellent sound quality and reliable performance. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

## 2. PRODUCT OVERVIEW

---

The MagLite Diamond Stylus Cartridge is a high-quality moving magnet cartridge featuring a durable diamond stylus. It is engineered to provide superb soundstage and clear audio reproduction for your vinyl records. The package includes the cartridge and necessary mounting bolts for installation.



Figure 2.1: Front view of the Sea Blue Diamond Stylus Cartridge with included mounting bolts, set against a brand card.



Figure 2.2: Side view of the Sea Blue Diamond Stylus Cartridge, showcasing its design.



Figure 2.3: Close-up front view of the Sea Blue Diamond Stylus Cartridge, highlighting the diamond stylus tip.

### 3. SPECIFICATIONS

Feature	Specification
---------	---------------

Feature	Specification
Type	Moving Magnetic Cartridge with Diamond Stylus Needle
Output Voltage (at 1kHz, 5 cm/sec)	5.5 mV ± 3dB
Channel Balance (at 1kHz)	Below 1 dB
Channel Separation (at 1kHz)	More than 15 dB
Frequency Response	20 ~ 20k Hz
Tracking Force	3.0g (recommended range: 2.5 ~ 3.5g)
Stylus Tip	Stereo Spherical Diamond Tip
Manufacturer	MAG
ASIN	B088KFVV1V

## 4. SETUP AND INSTALLATION

The MagLite Diamond Stylus Cartridge is designed for easy installation. It is compatible with Denon turntable models DP 57L, DP 59L, DP 60L, and DP 72L. Please follow the steps below for proper installation:

- Preparation:** Ensure your turntable is powered off and unplugged from the mains. Carefully remove your existing cartridge, if any, following your turntable's specific instructions.
- Wiring:** Connect the four color-coded wires from your tonearm to the corresponding pins on the back of the new cartridge.
  - Red (R+): Right channel positive
  - Green (R-): Right channel ground
  - White (L+): Left channel positive
  - Blue (L-): Left channel ground
- Mounting:** Align the cartridge with the headshell. Use the included mounting bolts to secure the cartridge to the headshell. Do not overtighten.
- Alignment:** Proper cartridge alignment is crucial for optimal sound quality and to prevent record wear. Refer to your turntable's manual for specific alignment procedures (e.g., overhang, azimuth, vertical tracking angle). A protractor tool may be required.
- Tracking Force Adjustment:** Set your tonearm's tracking force to 3.0 grams. A tracking force gauge is recommended for precise adjustment. The acceptable range is 2.5g to 3.5g, but 3.0g is the optimal setting.
- Anti-Skate Adjustment:** Adjust the anti-skate setting on your tonearm according to your turntable's manual, typically matching the tracking force setting.

If you require fitting advice or encounter difficulties during installation, please refer to the "Warranty and Support" section for contact information.

## 5. OPERATING INSTRUCTIONS

Once the cartridge is properly installed and aligned, your turntable is ready for use. The MagLite Diamond Stylus Cartridge is designed for excellent sound quality and strong tracking ability, ensuring a clear and stable playback experience.

- **Record Placement:** Carefully place your vinyl record onto the turntable platter.
- **Cueing:** Use the tonearm lift lever to gently lower the stylus onto the record's lead-in groove. Avoid dropping the tonearm directly onto the record.
- **Playback:** The cartridge will begin to track the grooves, converting the physical vibrations into electrical signals for amplification.
- **End of Playback:** At the end of the record, use the tonearm lift lever to raise the stylus from the record surface and return the tonearm to its rest.

Always handle your records and stylus with care to maintain optimal sound quality and extend the life of both.

## 6. MAINTENANCE

Regular maintenance will help preserve the performance and lifespan of your diamond stylus cartridge.

- **Stylus Cleaning:** Clean the stylus regularly using a soft stylus brush, brushing gently from back to front (away from the cantilever). Do not use excessive force or brush side-to-side. Specialized stylus cleaning fluids can be used sparingly if recommended by the fluid manufacturer.
- **Record Cleaning:** Keep your records clean. Dust and debris on records can transfer to the stylus, degrading sound quality and potentially damaging the stylus or record.
- **Dust Cover:** Keep your turntable's dust cover closed when not in use to prevent dust accumulation on the cartridge and turntable components.
- **Stylus Inspection:** Periodically inspect the stylus for wear or damage. A worn stylus can damage your records and degrade sound quality. If the stylus appears bent, chipped, or excessively worn, it should be replaced.

## 7. TROUBLESHOOTING

If you experience issues with your cartridge, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound or very low sound from one or both channels.	Incorrect wiring; loose connections; damaged cable.	Check all wiring connections between the cartridge and tonearm. Ensure they are secure and correctly matched (R+, R-, L+, L-). Inspect cables for damage.
Distorted or muddy sound.	Dirty stylus; incorrect tracking force; improper alignment; worn stylus.	Clean the stylus. Verify tracking force is set to 3.0g. Re-check cartridge alignment. If distortion persists, the stylus may be worn and require replacement.
Skipping or jumping.	Incorrect tracking force; anti-skate setting; dirty record; damaged record; worn stylus.	Ensure tracking force is correctly set. Adjust anti-skate. Clean the record. Inspect the record for damage. Check stylus for wear or debris.

Problem	Possible Cause	Solution
Humming or buzzing noise.	Grounding issue; interference; loose connections.	Ensure your turntable and amplifier are properly grounded. Check all audio cable connections. Move turntable away from other electronic devices that may cause interference.

If the problem persists after attempting these solutions, please contact customer support.

## 8. WARRANTY AND SUPPORT

Your MagLite Diamond Stylus Cartridge comes with a **6-month warranty** from the date of purchase, covering manufacturing defects. Additionally, we offer a **14-day "any reason" return policy** from the date of delivery.

For technical assistance, warranty claims, or fitting advice, please contact our customer support team:

- **Online Support:** Visit the MagLite Store on Amazon via the link provided on the product page.
- **Email:** Refer to your purchase confirmation for direct email support.
- **Phone:** Consult your product packaging or purchase documentation for a customer service phone number.

When contacting support, please have your product model (Diamond Stylus Cartridge) and ASIN (B088KFVV1V) ready.