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› MAG M27BS Moving Magnet Cartridge with Diamond Stylus User Manual for Goodmans CRN-2500 1, GSP-400, GSP-400S Turntables

MagLite M27BS

MAG M27BS Moving Magnet Cartridge with Diamond Stylus User Manual

For Goodmans CRN-2500 1, GSP-400, GSP-400S Turntables

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your MAG M27BS Moving Magnet Cartridge with Diamond Stylus. This cartridge is designed for compatibility with Goodmans CRN-2500 1, GSP-400, and GSP-400S turntable models, offering high-quality audio reproduction.

SAFETY INFORMATION

Please read these safety instructions carefully before installation. Improper handling can damage the cartridge or your turntable.

- Always handle the stylus with care to prevent damage.
- Ensure the turntable is powered off and unplugged before installation.
- Keep small parts, such as mounting screws, out of reach of children.

SETUP AND INSTALLATION

Installing the MAG M27BS cartridge requires careful attention. If you are unsure, please seek professional assistance.

1. **Preparation:** Ensure your turntable is turned off and unplugged. Remove the old cartridge from the tonearm headshell, if applicable.
2. **Wiring:** Connect the four color-coded wires from the tonearm to the corresponding pins on the back of the M27BS cartridge.
 - Red: Right Channel Positive (R+)
 - Green: Right Channel Ground (RG-)
 - White: Left Channel Positive (L+)
 - Blue: Left Channel Ground (LG-)
3. **Mounting:** Carefully align the cartridge with the headshell. Use the provided mounting screws to secure the

cartridge to the headshell. Do not overtighten.

4. **Stylus Guard:** Ensure the stylus guard is in place during mounting to protect the diamond tip.



Les Entreprises MAG

E-COMMERCE



Image: The MAG M27BS cartridge shown with its two mounting screws, ready for installation onto a turntable headshell. The cartridge features a blue body and a clear stylus guard.



Image: A rear view of the MAG M27BS cartridge, clearly displaying the four color-coded pin connections for wiring to the tonearm. The pins

are typically used for left positive, left ground, right positive, and right ground audio signals.

OPERATING INSTRUCTIONS

Once installed, the MAG M27BS cartridge operates like any standard moving magnet cartridge.

1. **Tracking Force Adjustment:** The recommended tracking force for the M27BS is 3.0g, with a range of 2.5g to 3.5g. Adjust your turntable's tonearm counterweight to achieve this setting.
2. **Anti-Skate Adjustment:** Set your turntable's anti-skate mechanism according to the recommended tracking force.
3. **Playing Records:** Carefully lower the tonearm onto the record using the cueing lever.



Image: The MAG M27BS cartridge with its clear protective stylus guard in place, positioned on a clear display stand. This view highlights the cartridge's design and the stylus tip.

MAINTENANCE

Proper maintenance ensures optimal performance and extends the life of your cartridge.

- **Stylus Cleaning:** Gently clean the stylus tip regularly using a soft brush designed for stylus cleaning, brushing from back to front.
- **Dust Protection:** Always replace the stylus guard when the turntable is not in use. Keep your records clean to minimize dust transfer to the stylus.
- **Stylus Replacement:** The diamond stylus will wear over time. Replace it when sound quality degrades or after approximately 500-1000 hours of play, depending on record condition and cleaning habits.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or weak sound from one channel	Incorrect wiring; damaged wire; dirty pin connection	Check all wiring connections to the cartridge. Ensure pins are clean and secure.
Distorted sound or skipping	Incorrect tracking force; worn or dirty stylus; damaged record	Adjust tracking force to 3.0g. Clean the stylus. Inspect the record for damage. Consider stylus replacement.
Humming noise	Grounding issue; interference	Ensure turntable is properly grounded. Check for nearby electronic devices causing interference.

SPECIFICATIONS

Feature	Detail
Cartridge Type	Moving Magnet (MM)
Stylus Tip	Stereo Spherical Diamond Tip
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 ~ 20,000 Hz
Tracking Force	3.0g (Recommended range: 2.5 ~ 3.5g)
Compatibility	Goodmans CRN-2500 1, GSP-400, GSP-400S

WARRANTY INFORMATION

This MAG M27BS cartridge comes with a **6-month warranty** against manufacturing defects. Additionally, a **14-day "any reason" return policy** is offered from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, accident, or normal wear and tear of the stylus.

For further assistance, technical support, or warranty claims, please contact your retailer or the manufacturer. When contacting support, please have your product model (M27BS) and purchase details available.

Manufacturer: MAG

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question