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> Instruction Manual for YBA LECTEUR CD INTEGRE Optical Pick-ups Bloc Optique Laser Lens

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Instruction Manual for YBA LECTEUR CD INTEGRE Optical Pick-ups Bloc Optique Laser Lens

Model: Boer Hermes | Brand: Boer Hermes

1. PRODUCT OVERVIEW

This manual provides essential information for the installation and use of the Boer Hermes Optical Pick-ups Bloc Optique Laser Lens, designed for YBA LECTEUR CD INTEGRE systems. This component is a replacement optical pick-up unit, crucial for reading data from CDs.

Important Note: Most laser heads require the removal of protective solder joints before they can be used normally. Failure to do so will prevent the unit from functioning correctly.

2. SAFETY INFORMATION

- Always disconnect power to the device before attempting installation or removal of components.
- Handle the optical pick-up unit with care. Avoid touching the laser lens directly, as oils and dust can impair performance.
- Static electricity can damage electronic components. Use appropriate anti-static precautions (e.g., anti-static wrist strap) when handling the unit.
- The laser emitted by this device is invisible and can cause eye damage. Do not look directly into the laser beam.
- Keep out of reach of children.

3. SETUP AND INSTALLATION

This section outlines the general steps for installing the optical pick-up unit. Specific procedures may vary depending on the exact model of your YBA LECTEUR CD INTEGRE system. Refer to your CD player's service manual for detailed instructions.

1. **Preparation:** Ensure the CD player is unplugged from the power source. Open the CD player casing carefully, following the manufacturer's guidelines.
2. **Locate the Old Unit:** Identify the existing optical pick-up unit within the CD mechanism.
3. **Disconnect:** Carefully disconnect any ribbon cables or power connectors attached to the old unit. Note their orientation for re-connection.

4. **Remove Old Unit:** Unscrew or unclip the old optical pick-up unit from its mounting points.
5. **Remove Protective Solder Joint: Before installing the new unit, it is crucial to remove the protective solder joint.**
This joint is typically a small blob of solder connecting two pins or pads on the flexible circuit board or near the laser diode. Use a fine-tipped soldering iron to carefully melt and remove this solder. Failure to remove this joint will prevent the laser from emitting light and the unit from functioning.
6. **Install New Unit:** Place the new Boer Hermes optical pick-up unit into position and secure it with screws or clips.
7. **Connect Cables:** Reconnect all ribbon cables and power connectors, ensuring they are seated correctly and in the proper orientation.
8. **Test:** Before fully reassembling the CD player, perform a preliminary test to ensure the unit is functioning. Reconnect power and attempt to play a CD.
9. **Reassemble:** Once confirmed operational, carefully reassemble the CD player casing.

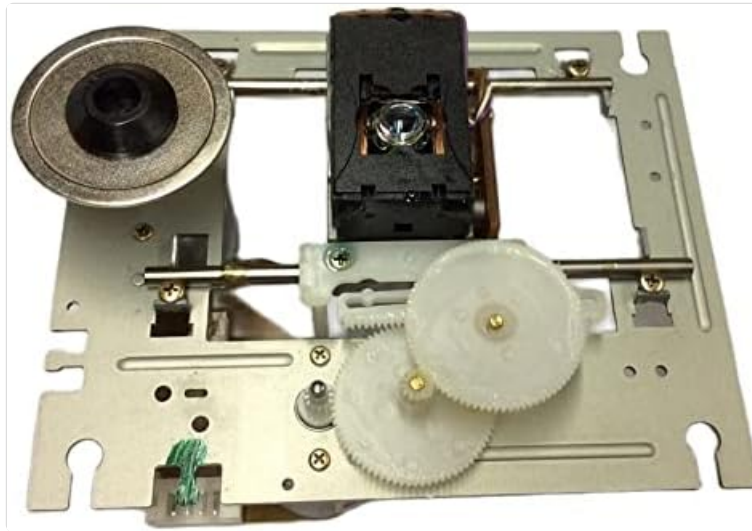


Figure 1: The Boer Hermes Optical Pick-up Laser Lens assembly. This image displays the complete optical pick-up laser lens assembly, featuring the laser head, motor, and gear mechanism mounted on a metal chassis. The protective solder joint, which needs to be removed before use, is typically located on the laser head.

4. OPERATING INSTRUCTIONS

Once correctly installed, the optical pick-up unit operates automatically as part of your CD player's functionality. Its primary role is to read the data from the compact disc. No direct user interaction with the optical pick-up unit itself is required during normal operation.

- Ensure CDs are clean and free of scratches or smudges for optimal reading performance.
- Avoid exposing the CD player to excessive dust, moisture, or extreme temperatures, as these can affect the longevity and performance of the optical unit.

5. MAINTENANCE

The optical pick-up unit is a precision component and generally requires minimal maintenance. However, keeping the environment clean can extend its lifespan.

- **Dust Prevention:** Keep the CD player in a clean, dust-free environment. Dust accumulation on the lens can degrade performance.
- **Lens Cleaning (Advanced Users Only):** If performance degrades due to a dirty lens, a specialized CD lens cleaner disc can be used. For manual cleaning, this should only be attempted by experienced technicians using appropriate optical cleaning solutions and lint-free swabs. *Improper cleaning can permanently damage the lens.*

6. TROUBLESHOOTING

If you encounter issues after installing the new optical pick-up unit, consider the following common problems and solutions:

Problem	Possible Cause	Solution
CD player does not read discs or skips frequently.	Protective solder joint not removed.	Ensure the protective solder joint on the new laser head has been completely removed. This is the most common cause of non-functionality.
CD player does not read discs or skips frequently.	Cables improperly connected.	Check all ribbon cables and power connectors for secure and correct insertion. Ensure no pins are bent.
CD player does not read discs or skips frequently.	Dirty or scratched disc.	Try a different, known-good CD to rule out disc issues. Clean discs with a soft, lint-free cloth.
CD player does not read discs or skips frequently.	Dust or debris on the lens.	Refer to the Maintenance section for lens cleaning options.

If you have any questions or continue to experience issues after attempting these troubleshooting steps, please consult us after purchase. We will patiently advise you and provide assistance.

7. SPECIFICATIONS

Feature	Detail
Model Number	Boer Hermes
Item Weight	233 g
ASIN	B09J38PRGW
Date First Available	10 October 2021
Compatibility	For YBA LECTEUR CD INTEGRE systems
Component Type	Optical Pick-ups Bloc Optique Laser Lens Lasereinheit

8. WARRANTY AND SUPPORT

For information regarding warranty coverage and technical support, please refer to the documentation provided with your purchase or contact the seller directly. If you have questions about installation or troubleshooting, the seller is available to provide assistance.

Contact Information: Please refer to your purchase receipt or the platform where you purchased this product for seller contact details.