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THAKKER CDM 9 Gear Wheel

THAKKER Radiant Gear Wheel for Restek Radiant CD Player CDM 9

Installation and Care Guide

1. PRODUCT OVERVIEW

The THAKKER Radiant Gear Wheel is a precision-engineered replacement component designed for compatibility with the Restek Radiant CD Player, specifically models utilizing the CDM 9 mechanism. This gear wheel is crucial for the smooth and accurate operation of the CD player's disc loading and playback functions.



Figure 1: THAKKER Radiant Gear Wheel. A beige plastic gear wheel with a central cylindrical shaft and a wider, flat base. The top of the shaft features multiple small teeth, indicating its function as a gear.

2. SCOPE OF DELIVERY

- 1 x THAKKER Radiant Gear Wheel

3. INSTALLATION GUIDE

Disclaimer: Installation of this component requires technical proficiency and familiarity with electronic device repair. Incorrect installation can damage your CD player. If you are unsure, please consult a qualified technician.

1. Preparation:

- Ensure the CD player is completely disconnected from the power supply.
- Gather necessary tools, which may include screwdrivers (Phillips, flathead), tweezers, and a clean, static-free work surface.

2. Accessing the Mechanism:

- Carefully open the CD player casing according to the manufacturer's service manual for your specific Restek Radiant model.
- Locate the CDM 9 CD mechanism. Identify the worn or broken gear that needs replacement.

3. Removing the Old Gear:

- Gently remove the old gear. Note its exact position and orientation before removal. Take photos if necessary.
- Clean any debris, old lubricant, or broken plastic pieces from the surrounding area.

4. Installing the New Gear:

- Carefully align the new THAKKER Radiant Gear Wheel with the shaft and surrounding components.
- Press the new gear into place firmly but gently, ensuring it seats correctly and rotates freely without binding.
- Apply a small amount of appropriate plastic-safe lubricant (e.g., silicone grease) to the gear teeth and pivot points if recommended by the original manufacturer's service manual.

5. Testing and Reassembly:

- Before reassembling the casing, temporarily connect the CD player to power and perform a functional test. Observe the disc tray mechanism and playback.
- If the mechanism operates smoothly, disconnect power and carefully reassemble the CD player casing.

4. MAINTENANCE

The THAKKER Radiant Gear Wheel is designed for durability. Regular maintenance of the CD player's mechanism can prolong the life of all moving parts, including this gear.

- **Cleaning:** Periodically inspect the gear for dust or debris accumulation. Use a soft brush or compressed air to gently clean the gear teeth.
- **Lubrication:** If the original CD player mechanism requires periodic lubrication, ensure that only plastic-safe lubricants are used on the gear and associated moving parts. Avoid excessive lubrication, which can attract dust.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Disc tray not opening/closing smoothly after gear replacement.	Gear not seated correctly; debris in mechanism; insufficient lubrication; other damaged components.	Re-check gear seating and alignment. Clean mechanism thoroughly. Apply appropriate lubricant. Inspect other gears/belts for damage.
Grinding noise from mechanism.	Gear misalignment; foreign object; worn adjacent parts.	Verify gear alignment. Remove any foreign objects. Inspect other gears for wear and replace if necessary.

6. SPECIFICATIONS

Attribute	Detail
Product Name	THAKKER Radiant Gear Wheel
Compatibility	Restek Radiant CD Player (CDM 9 mechanism)
Manufacturer	THAKKER
Manufacturer Reference	8512
ASIN	B01ESCOFN8

Attribute	Detail
Country of Origin	Germany
Material	Durable Plastic (specific type not specified)

7. WARRANTY AND SUPPORT

For warranty information and technical support regarding your THAKKER Radiant Gear Wheel, please contact THAKKER directly or the retailer from whom you purchased the product.

THAKKER Contact Information:

- Visit the official THAKKER website for contact details: www.thakker.eu
- Refer to your purchase invoice for specific retailer support information.

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