

## THAKKER TA-2800

# Thakker Belt Kit TA-2800 for Onkyo TA-2800 Cassette Deck - Instruction Manual

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## 1. INTRODUCTION

This instruction manual provides essential information for the proper installation and maintenance of the Thakker Belt Kit TA-2800, designed for compatibility with Onkyo TA-2800 cassette decks. This kit contains replacement drive belts crucial for restoring optimal playback and recording functionality to your audio equipment. Regular maintenance and correct installation are key to ensuring the longevity and performance of your cassette deck.

## 2. INSTALLATION

Proper installation of the drive belts is critical for the correct operation of your Onkyo TA-2800 cassette deck. Please follow these steps carefully.

### 2.1 Safety Precautions

- Always disconnect the cassette deck from the power outlet before beginning any installation or maintenance.
- Ensure the unit is completely powered off and cooled down.
- Work in a clean, well-lit area to prevent loss of small components.

### 2.2 Tools Required (Recommended)

- Small Phillips head screwdriver
- Tweezers or small pliers
- Cotton swabs and isopropyl alcohol for cleaning

### 2.3 Step-by-Step Installation

1. **Access the Mechanism:** Carefully remove the outer casing of your Onkyo TA-2800 cassette deck to gain access to the internal drive mechanism. Refer to your original Onkyo service manual if specific disassembly instructions are needed.
2. **Identify Old Belts:** Locate the existing drive belts. These may be stretched, brittle, or completely broken. Note their routing paths around the motor pulley, flywheel, and other spindles.
3. **Remove Old Belts:** Gently remove all old belts. If they are broken, ensure all fragments are removed

from the mechanism.

4. **Clean Belt Paths:** Using cotton swabs lightly dampened with isopropyl alcohol, thoroughly clean all surfaces where the belts make contact, including motor pulleys, flywheels, and idler wheels. This removes old rubber residue and grease, which can cause new belts to slip. Allow to dry completely.
5. **Install New Belts:** The Thakker Belt Kit includes one flat belt and one smaller, likely square or round, belt.
  - The *flat belt* typically drives the main flywheel, responsible for tape speed. Carefully route it around the motor pulley and the flywheel.
  - The *smaller belt* (square or round) often drives secondary functions such as the counter, auto-stop mechanism, or reel tables. Route it according to the original belt's path.

Ensure the belts are seated correctly in their grooves and are not twisted.

6. **Verify Belt Tension:** The new belts should have appropriate tension – not too loose (which causes slipping) and not too tight (which can strain the motor or bearings).
7. **Reassemble:** Carefully reassemble the cassette deck's casing, ensuring all screws are tightened and no wires are pinched.

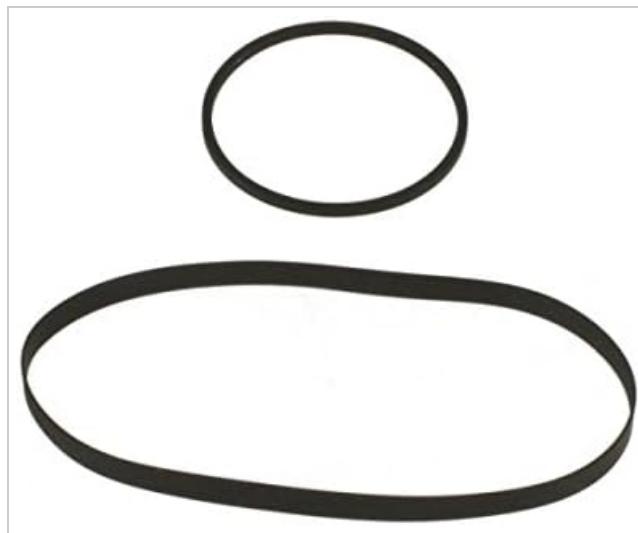


Figure 1: Contents of the Thakker Belt Kit, showing one flat belt and one smaller, likely square or round, belt. These belts are essential for the proper functioning of compatible cassette decks.

### 3. MAINTENANCE

To ensure the longevity and optimal performance of your new belts and cassette deck, consider the following maintenance tips:

- **Regular Inspection:** Periodically inspect the belts for signs of wear, cracking, or stretching. The lifespan of belts can vary depending on usage and environmental conditions.
- **Cleanliness:** Keep the internal mechanism of the cassette deck clean. Dust and debris can accumulate on pulleys and belts, leading to slippage or premature wear. Use compressed air or a soft brush for cleaning.
- **Environmental Conditions:** Store and operate your cassette deck in a cool, dry environment. Extreme temperatures and humidity can degrade rubber belts over time.

### 4. TROUBLESHOOTING

If you encounter issues after installing the new belts, consider the following common problems and

solutions:

Problem	Possible Cause	Solution
Tape speed is inconsistent or too slow/fast.	Belts are slipping, incorrect belt tension, or dirty pulleys.	Ensure belts are correctly routed and have proper tension. Clean all pulleys and contact surfaces with isopropyl alcohol.
Tape does not move or mechanism is sluggish.	Belts are dislodged, broken, or mechanism is obstructed.	Re-open the deck and verify belt placement. Check for any obstructions preventing movement.
Squeaking or grinding noises.	Belts rubbing against components, or dry bearings.	Ensure belts are not rubbing. Lubricate motor or flywheel bearings if necessary (use appropriate lubricant for electronics).

If issues persist after following these steps, it may indicate a problem beyond the belts, such as motor malfunction or other mechanical issues within the cassette deck. In such cases, professional repair may be required.

## 5. SPECIFICATIONS

- **Brand:** THAKKER
- **Model Compatibility:** Onkyo TA-2800 Cassette Deck
- **Kit Contents:** 1 x Flat Belt, 1 x Square/Round Belt
- **Manufacturer Reference:** 1227
- **Product Type:** Replacement Drive Belt Kit

## 6. WARRANTY AND SUPPORT

For specific warranty information regarding your Thakker Belt Kit, please refer to the purchase documentation or contact the seller directly. As this is a replacement part, its warranty may be covered under the terms of the original purchase.

For technical support or further assistance with installation and troubleshooting, please contact THAKKER customer service or the retailer from whom you purchased the product. Provide your product model number (1227) and details of your Onkyo TA-2800 cassette deck when seeking support.

*Note: This belt kit is designed for the Onkyo TA-2800. Compatibility with other models is not guaranteed. Always ensure proper fitment before operation.*