

Continental 17535

Continental 17535 Automotive V-Belt User Manual

Model: 17535

1. PRODUCT OVERVIEW

The Continental 17535 Automotive V-Belt is engineered for reliable power transmission in automotive applications. Manufactured with advanced EPDM rubber compounds, this V-belt offers superior heat and abrasion resistance, contributing to an extended service life even under demanding engine conditions.

Key features include:

- **Precision Engineering:** Designed and tested for optimal performance.
- **High Strength:** Provides robust strength with excellent shear resistance.
- **Simplified Installation:** Engineered for straightforward and easy installation.
- **SAE Compliance:** Meets industry-standard SAE specifications.
- **Quality Materials:** Constructed from certified quality materials for durability.



Figure 1: Continental 17535 Automotive V-Belt, showcasing its overall design and packaging.

2. INSTALLATION GUIDELINES

Proper installation is crucial for the longevity and performance of your Continental V-belt. Always consult your vehicle's specific service manual for detailed instructions and safety precautions before beginning any work.

1. **Safety First:** Ensure the vehicle's engine is off and cool. Disconnect the battery's negative terminal to prevent accidental starting.
2. **Access:** Locate the existing V-belt and identify the tensioner and pulleys. You may need to remove other components for clear access.
3. **Release Tension:** Use the appropriate tool to release tension on the existing belt. Carefully remove the old belt from all pulleys.
4. **Inspect Pulleys:** Before installing the new belt, inspect all pulleys for wear, damage, or misalignment. Ensure they spin freely and quietly.
5. **Install New Belt:** Route the new Continental 17535 V-belt around all pulleys according to the vehicle's diagram. Ensure the belt is seated correctly in all grooves.
6. **Apply Tension:** Reapply tension to the belt using the tensioner. Verify that the belt has the correct tension as specified by your vehicle manufacturer. An improperly tensioned belt can lead to premature wear or slippage.
7. **Final Check:** Double-check that the belt is properly aligned on all pulleys and that no tools or debris are left in the engine bay. Reconnect the battery.



Figure 2: Close-up view of the V-belt's ribbed surface, designed for optimal grip within pulley grooves.

3. OPERATION AND PERFORMANCE

The Continental 17535 V-belt is designed for efficient and reliable power transfer within your vehicle's accessory drive system. Its construction ensures consistent performance under various operating conditions.

- **Energy Transfer:** The high-traction rubber edges provide positive, no-slip contact with automotive SAE pulleys, ensuring reliable energy transfer to components like the alternator, power steering pump, and air conditioning compressor.
- **Flexibility and Durability:** Fiber-reinforced, rubber helical cogs enhance the belt's flexibility, which helps reduce cracking and fatigue in the cushion section, contributing to its long operational life.
- **Dimensional Stability:** A polyester tensile member is integrated to improve dimensional stability, effectively controlling elongation and limiting belt slip, which maintains consistent performance.
- **Matchmaker System:** Continental V-belts are manufactured to consistent dimensions with belt lengths within matching tolerances. This "Matchmaker System" ensures that if multiple belts are required for a drive, they can be used as a matched set.



Figure 3: Detailed view of the V-belt's fiber-reinforced, rubber helical cogs, designed for enhanced flexibility and reduced fatigue.

4. MAINTENANCE AND CARE

Regular inspection and proper maintenance will maximize the lifespan of your Continental 17535 V-belt and ensure optimal vehicle performance.

- **Visual Inspection:** Periodically inspect the belt for signs of wear, such as cracks, fraying, glazing, or missing chunks. Check for any foreign objects lodged in the grooves.
- **Tension Check:** Verify the belt tension according to your vehicle manufacturer's specifications. An overly loose belt can slip and cause squealing, while an overly tight belt can put undue stress on bearings.
- **Pulley Alignment:** Ensure all pulleys are properly aligned. Misaligned pulleys can cause uneven belt wear and premature failure.
- **Cleanliness:** Keep the belt and pulleys free from oil, grease, coolant, and other contaminants, which can degrade the rubber material.
- **Replacement:** Replace the belt if any significant signs of wear or damage are observed, or as recommended by your vehicle's maintenance schedule.

5. TROUBLESHOOTING

This section addresses common issues that may arise with V-belts and provides general guidance for resolution. Always consult a qualified mechanic if you are unsure about any repair or diagnostic procedure.

Symptom	Possible Cause	Solution
Squealing Noise	Loose belt tension, worn belt, misaligned pulleys, contaminated belt surface.	Check and adjust belt tension. Inspect belt for wear and replace if necessary. Verify pulley alignment. Clean belt and pulleys if contaminated.
Belt Slippage	Insufficient tension, worn belt, oil/grease contamination.	Adjust tension to manufacturer specifications. Replace worn belt. Clean off contaminants.
Premature Belt Wear/Cracking	Over-tensioning, under-tensioning, misaligned pulleys, worn pulleys, excessive heat.	Ensure correct tension. Check and correct pulley alignment. Inspect and replace worn pulleys. Address engine overheating issues.
Belt Fraying/Edge Wear	Misaligned pulleys, incorrect belt size, worn pulley flanges.	Verify pulley alignment. Confirm correct belt size for application. Inspect pulley flanges for sharpness or damage.

6. TECHNICAL SPECIFICATIONS

Attribute	Detail
Brand	Continental
Model Number	17535
Manufacturer Part Number	17535
Item Weight	5.6 ounces
Product Dimensions	23 x 5.5 x 0.5 inches
Country of Origin	Mexico
Material	Polyester, Rubber (EPDM compound)
Belt Style	V Belt
Compatible Devices	Car (Automotive applications)
SAE Compliance	Designed to perform in pulleys meeting SAE J636 and SAE J1459.

7. WARRANTY AND SUPPORT

For specific warranty information regarding your Continental 17535 Automotive V-Belt, please refer to the official Continental website or contact Continental customer support directly. Warranty terms and conditions may vary.

For additional product information, technical assistance, or to explore other Continental products, please visit the official Continental store:

[Visit the Continental Store on Amazon](#)