

## Continental 62803

# Continental 62803 Molded Radiator Hose Instruction Manual

Model: 62803

## 1. PRODUCT OVERVIEW

The Continental 62803 Molded Radiator Hose is engineered for efficient transfer of glycol-based coolants within a vehicle's cooling system. This hose is designed to connect the radiator to other cooling components, ensuring proper coolant circulation.

### 1.1 Purpose

This radiator hose facilitates the flow of coolant, maintaining optimal engine temperature. Its molded design ensures a precise fit and full flow through bends, reducing stress on connections.

### 1.2 Key Features

- **Material:** EPDM tube and cover with synthetic knit reinforcement for durability.
- **Coolant Compatibility:** Compatible with most coolants, including ethylene glycol- and propylene glycol-based coolants, and organic acid modified, long-life coolants.
- **Temperature Range:** Operates effectively from -40°F to 275°F (-40°C to 135°C).
- **Specifications:** Meets or exceeds SAE 20R4EC Class D1 specifications and various Original Equipment (OE) specifications.
- **Electrochemical Degradation (ECR) Resistance:** Designed to resist ECR for extended service life.
- **ID Range:** Available in 1-inch to 3-inch inner diameter, including intersect hose configurations.



Figure 1: Main view of the Continental 62803 Molded Radiator Hose, showcasing its curved shape and black EPDM material.

## 2. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	Continental
Model Number	62803
Manufacturer	Continental ContiTech
Material	EPDM
Color	Black
Item Weight	12 ounces (approx. 340 grams)
Product Dimensions	18.5 x 12 x 4 inches (approx. 47 x 30.5 x 10 cm)
Temperature Range	-40°F to 275°F (-40°C to 135°C)
ID Range	1-inch to 3-inches
SAE Specification	Meets or exceeds SAE 20R4EC Class D1
UPC	037256450570

## 3. INSTALLATION GUIDELINES

Proper installation is crucial for the performance and longevity of your radiator hose. If you are unsure about any step, it is recommended to consult a qualified automotive technician.

### 3.1 Safety Precautions

- Ensure the engine is cool before beginning any work on the cooling system.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Be aware that coolant can be toxic; handle with care and dispose of properly.
- Refer to your vehicle's service manual for specific instructions and torque specifications.

### 3.2 Installation Steps

1. **Drain Coolant:** Place a suitable drain pan under the radiator and open the drain cock to drain the coolant.
2. **Remove Old Hose:** Loosen the hose clamps at both ends of the old radiator hose. Carefully twist and pull the old hose off the radiator and engine connections.
3. **Inspect Connections:** Clean any residue or corrosion from the radiator and engine hose connections. Inspect for damage.
4. **Install New Hose:** Slide new hose clamps onto the new Continental 62803 hose. Position the new hose onto the radiator and engine connections, ensuring it is fully seated and aligned correctly.
5. **Secure Clamps:** Tighten the hose clamps securely, but do not overtighten, as this can damage the hose or connections.

6. **Refill Coolant:** Close the radiator drain cock. Refill the cooling system with the manufacturer-recommended coolant.
7. **Bleed Air:** Start the engine and allow it to reach operating temperature with the heater on high. Monitor the coolant level and add more as needed to remove any trapped air from the system.
8. **Check for Leaks:** After the engine has cooled, recheck the coolant level and inspect all connections for leaks.



Figure 2: Angled view of the radiator hose, showing its specific molded shape for a precise fit in the cooling system.

## 4. OPERATION AND FUNCTION

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Once installed, the Continental 62803 Molded Radiator Hose operates as a critical component of your vehicle's cooling system. It forms a sealed pathway for coolant to circulate between the engine and the radiator. The hose's EPDM construction and synthetic reinforcement allow it to withstand the high temperatures and pressures inherent in an automotive cooling system, ensuring consistent coolant flow and preventing leaks.

The molded shape is specifically designed to accommodate the contours of the engine bay, preventing kinking and ensuring an unrestricted flow of coolant, which is vital for maintaining the engine's optimal operating temperature.

## 5. MAINTENANCE AND CARE

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Regular inspection and proper care can extend the life of your radiator hose and prevent cooling system failures.

### 5.1 Inspection Schedule

- Inspect the hose every 12,000 miles or 12 months, whichever comes first.
- Check for signs of wear, such as cracks, bulges, hardening, softening, or leaks around the clamps.
- Ensure hose clamps are tight and free from corrosion.

### 5.2 General Care

- Maintain the correct coolant level and use the recommended type of coolant for your vehicle.
- Address any cooling system issues promptly to prevent excessive pressure or temperature fluctuations that can stress hoses.
- Avoid exposing the hose to petroleum-based products, as it is not designed for fuel or oil transfer applications.



Figure 3: End view of the radiator hose, showing the interior and the EPDM material texture.

## 6. TROUBLESHOOTING

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This section addresses common issues related to radiator hoses.

### 6.1 Common Issues and Solutions

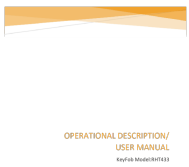


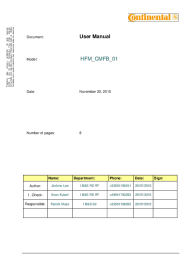


- **Coolant Leak:**
  - **Cause:** Loose clamps, damaged hose, or corroded connection points.
  - **Solution:** Tighten or replace clamps, inspect and replace the hose if damaged, clean connection surfaces.
- **Hose Swelling/Bulging:**
  - **Cause:** Internal damage, excessive pressure in the cooling system, or chemical degradation.
  - **Solution:** Replace the hose immediately. Investigate and resolve cooling system pressure issues (e.g., faulty radiator cap, thermostat).
- **Hose Hardening/Cracking:**
  - **Cause:** Age, exposure to extreme temperatures, or chemical contamination.
  - **Solution:** Replace the hose. This is a normal sign of wear over time.
- **Hose Collapse:**
  - **Cause:** Vacuum in the cooling system, often due to a faulty radiator cap or blockage.
  - **Solution:** Replace the radiator cap. Check for blockages in the cooling system.

## 7. WARRANTY AND SUPPORT

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For specific warranty information regarding your Continental 62803 Molded Radiator Hose, please refer to the official Continental website or contact their customer support directly. Warranty terms and conditions may vary.

For additional product information or support, you may visit the official Continental store on Amazon: [Continental Store](#).

	<p><a href="#">Continental RHT433 KeyFob User Manual and Operational Description</a></p> <p>Comprehensive user manual and operational description for the Continental RHT433 and RHT315 (Japan) KeyFobs. Details remote entry, start, and immobilization features, technical specifications, safety warnings, and regulatory compliance for FCA platforms.</p>
	<p><a href="#">Continental TCAM1NA0 Telematics and Connectivity Antenna Module User Manual</a></p> <p>User manual for the Continental TCAM1NA0 Telematics and Connectivity Antenna Module, detailing its features, technical specifications, installation, and wireless services.</p>
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	<p><a href="#">Technisches Handbuch Motorrad- und Roller-Reifen   Continental</a></p> <p>Das offizielle technische Handbuch von Continental für Motorrad- und Rollerreifen. Finden Sie detaillierte Informationen zu allen Reifenserien, technischen Spezifikationen, Montagehinweisen und Modellübersichten für optimale Leistung und Sicherheit.</p>
	<p><a href="#">Continental GM OnStar Gen12 Telematics Control Unit (TCP) User Manual</a></p> <p>User manual for the Continental GM OnStar Gen12 Telematics Control Unit (TCP), model numbers G12N410G1 and G12N410M1. Details product features, system overview, mechanical design, technical specifications, wireless services, connectors, and compliance information.</p>