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PRODUCT OVERVIEW

The Gates 21953 Premium Molded Coolant Hose is engineered to meet OEM-quality specifications for upper, lower, bypass, heater, and other coolant applications. This product is designed to provide a precise fit and ensure perfectly sealed conditions, contributing to the efficient operation of your vehicle's cooling system. It is part of Gates' comprehensive line of molded coolant hoses, offering a reliable replacement solution.



Image: Gates 21953 Premium Molded Coolant Hose, a black, pre-shaped hose designed for coolant circulation.

KEY FEATURES

- Specifically-engineered materials resist collapse under vacuum.
- Engineered to resist electrochemical degradation, the leading cause of hose failure.
- Pre-shaped to fit and to ensure perfectly sealed conditions.
- EPDM tube; synthetic fiber knit reinforcement; heat-, ozone- and chemical coolant-resistant EPDM cover.
- Meets requirements of SAE 20R4, class D2 and DIN 73411, class A (except for tolerances).

SPECIFICATIONS

Specification	Detail
Model Number	21953
Material	EPDM, Synthetic Fiber
Item Weight	0.8 Pounds (12.8 ounces)
Manufacturer Part Number	21953
OEM Part Numbers	12664612, 1266462, C8ZE8620F, C8ZE8B274D, CAC4252

INSTALLATION & SETUP

Proper installation of coolant hoses is crucial for the longevity and performance of your vehicle's cooling system. It is highly recommended that installation be performed by a qualified automotive technician. When replacing coolant hoses, ensure the engine is cool and the cooling system is depressurized. Drain the coolant, remove old hoses, clean connection points, and install new hoses securely with appropriate clamps. Refill the system with the correct coolant type and bleed any air from the system.

For visual guidance on the importance of coolant hoses and their replacement, refer to the video below:

Video: Protect the Ride - Don't Forget Your Coolant Hoses. This video highlights the critical role of coolant hoses in your vehicle's cooling system and the importance of their proper maintenance and replacement.

OPERATING PRINCIPLES OF YOUR COOLING SYSTEM

Modern vehicle engines are designed to operate at specific temperatures, typically around 200°F, for optimal performance and efficiency. The cooling system, which includes components like the water pump, thermostat, and coolant hoses, works in conjunction to quickly bring the engine to its operating temperature and maintain it. This precise temperature regulation is vital to prevent overheating and ensure the longevity of engine components.

Learn more about how your cooling system functions and why proper maintenance is key:

Video: Protect the Ride - Properly Maintain Your Cooling System. This video explains the function of the cooling system and the importance of maintaining its components to ensure proper engine temperature.

MAINTENANCE GUIDELINES

Regular maintenance of your vehicle's cooling system, including coolant hoses, is essential to prevent unexpected breakdowns and costly repairs. At significant mileage milestones, such as 90,000 miles, it is crucial to inspect and potentially replace key components like the serpentine belt, timing belt, water pump, and coolant hoses. Systems are often designed to be replaced together to ensure optimal performance and prevent cascading failures.

Always maintain your vehicle's coolant and system parts at the manufacturer's recommended mileage intervals. If any cooling system work is being performed, it is a best practice to replace the upper and lower radiator hoses simultaneously.

Video: Protect the Ride - Your High Mileage Vehicle. This video emphasizes the importance of timely maintenance for high-mileage vehicles, including checking and replacing critical components like belts, water pumps, and coolant hoses.

TROUBLESHOOTING COMMON ISSUES

Coolant hoses are constantly exposed to high temperatures, pressure, and vibrations, which can lead to wear and tear over time. While not always visible, internal degradation can occur. Common signs of a failing coolant hose include:

- Visible leaks or puddles of coolant under your vehicle.
- Swelling, cracking, or hardening of the hose material.
- A noticeable drop in coolant level.
- Engine overheating.

If you observe any of these symptoms, it is crucial to have your cooling system inspected by a professional immediately to prevent further damage to your engine. Replacing a failing hose promptly can save you from more extensive and costly repairs.

SUPPORT & RESOURCES

For additional support, product information, or to locate authorized Gates retailers, you can utilize the Gates NaviGates app. This smart application allows you to search for the right parts by vehicle market, OE competitor part number, or by scanning the VIN number. It also helps you find the closest auto parts stores and their contact information.

Video: [Introducing NaviGates - An Online and App Based Catalog](#). This video demonstrates the features of the NaviGates app, a convenient tool for finding Gates parts and locating auto parts stores.

For further assistance, please visit the official Gates website or contact their customer support.