

## **DRIVEN BY POSSIBILITY**

# COOLING SYSTEM: MODULAR HOSE

Engines have become more and more complicated, and so have their coolant systems and hoses. Modern modular coolant hoses can contain various supplementary components built into the hose which perform a wide variety of tasks under the hood and even in the passenger compartment. Built as an assembly, these hoses can cool or heat vehicle elements, bleed air, drain the system and communicate with the computer, among other functions. Many modular hoses also have quickconnectors which easily remove and install the hose.

When it's time to change the hose, go for Gates. We design, manufacture and supply a great variety of traditional and modular coolant hoses that fit and perform exactly like the original. What is more, you get a complete solution as all our modular hoses come complete with the OE-exact components and connectors to ensure a simple leak-free installation.

#### MORE HOSE FOR MORE APPLICATIONS

- Gates has over 600 SKU's globally – the most complete line in the industry – twice as many as the closest competitor.
- The top 50 SKUs cover 75% of total modular hose sales.

# UNCOMPROMISING QUALITY AND DEPENDABILITY

### WHAT CAUSES MODULAR HOSES TO FAIL?



**Plastic Connectors** 

Plastic connectors become brittle due to the high heat and will crack or break from engine vibration and hose repositioning during routine engine maintenance.



hoses, exposure to the constant change in heating and cooling under the hood causes the rubber to deteriorate and lead to failure.

#### **OE FORM, FIT AND FUNCTION**

As a pioneering company in hightechnology automotive products, Gates has over 100 years of experience in hose manufacturing allowing full control of the production process and quality of the product. Every Gates hose matches the OE in form, fit and function. The extensiveness of our range far exceeds the competition and ensures you will find the right hose for nearly all vehicles.

#### **MODULAR HOSE**



**TRADITIONAL MOULDED HOSES** 



**SMALL I.D. HOSES** 



#### **Complex Internal Components**

In addition, a lot of modular hoses have sensors, flow restrictors and directional valves inside of them that can get damaged.



**Quick Connectors** 

Quick connectors tend to get damaged when hoses are removed for general cooling system maintenance.

**MOULDED HOSE 3X THE PROFIT MODULAR HOSE MOULDED HOSE** 

**4X THE REPLACEMENT** 

# **MODULAR HOSE**

Complex branches and connections mean the cost per hose is higher. More connections mean more failure-prone areas.



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**MARCH 2019** PART # 496-2127