



## Product Overview

# COOLANT TEMPERATURE SENSORS

- Holstein Parts Coolant Temperature Sensors offer superior coverage for Import / Domestic applications
- Holstein Parts uses only the highest quality materials, manufactured to exacting standards to provide long-term function and performance
- Sealed Anti-Static Protective Packaging ensures that electrical components are not damaged during shipping

## OVERVIEW

The Coolant Temperature Sensor, also known as the coolant temperature switch, is an engine management system sensor that is used to monitor the temperature of the engine coolant. Most coolant temperature sensors operate using electrical resistance to measure the temperature of the coolant. This signal is then sent to the electronic control unit (ECU) so that changes can be made to the engine's timing and air/fuel mixture for optimal performance, as engines require more fuel when they are cold, and less fuel when they are fully warmed up. The computer will also scale back engine performance settings if it detects that the engine temperature is too high, in order to protect the engine from possible damage due to overheating.

Because temperature plays such a vital role in engine performance calculations, a problem with a coolant temp sensor can quickly translate into engine performance issues.

- Holstein Parts uses only the highest quality materials and engineering for parts that are truly built to match or exceed the OE part
- Holstein Parts Coolant Temp Sensors offer superior coverage for Import / Domestic applications
- 3 Year / 36,000 Mile Warranty



# COOLANT TEMPERATURE SENSORS

## **What does the Coolant Temperature Sensor do?**

A coolant temperature sensor is used to measure the temperature of the coolant/antifreeze mix in the cooling system, giving an indication of how much heat the engine is giving off.

## **Where is the Coolant Temperature Sensor located?**

The coolant temperature sensor will be located directly behind the coolant pipe. In most modern cars and vehicles, this is present behind the right cylinder head that is located right underneath the air intake pipe.

## **Will a malfunctioning Coolant Temperature Sensor cause a check engine light?**

You may see your check engine light come on if your coolant temperature sensor is failing or has failed. If your car's computer senses a problem with the signal your sensor is sending, it may trigger the check engine light.

## **What are the common causes of failure?**

The sensor becoming corroded or poor electrical connection to the ECU.

## **How to determine if a Coolant Temperature Sensor is failing:**

Signs of a coolant temperature sensor failure could include poor fuel economy, irregular temperature readings, an overheating engine, and/or your check engine light coming on.

