

## Remanufactured **ELECTRONIC THROTTLE BODY**

Every CARDONE Remanufactured Electronic Throttle Body is first disassembled and meticulously inspected. Then, each component is inspected, remanufactured or replaced, resulting in reliable and consistent performance. Every unit is tested for all critical functions, including response time and air flow at multiple points. A proprietary cleaning process prevents the throttle bore surface from being deformed, ensuring optimum airflow and peak performance.

- Each unit is disassembled and meticulously inspected. Each component is inspected, remanufactured or replaced resulting in reliable and consistent performance.
- A specialized component cleaning process prevents the throttle bore surface from being deformed, ensuring optimum air flow.
- The high and low integrated throttle position sensors are tested to match O.E. characteristics throughout the entire operational range.
- Final assemblies are tested for all critical functions, including response time and air flow at multiple points.
- Each unit is guaranteed to fit and function like the original – at a fraction of the typical market price.

### Signs of Wear and Troubleshooting

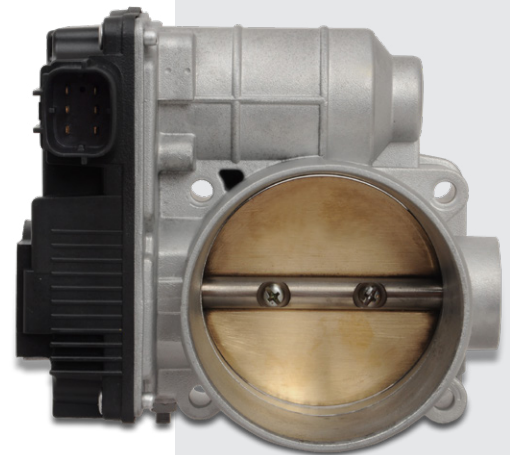
- Throttle position sensor codes stored
- Consistent reduced engine power
- Intermittent reduced engine power
- Low idle RPM

Product Description

Features and Benefits

Signs of Wear and Troubleshooting

FAQs



Subscribe to [receive email notification](#) whenever we introduce new products or technical videos.

Click [Electronics Tech Help](#) for technical tips, articles and installation videos.

**cardone.com**

Tech Service: 888-280-8324

Rev Date: 022218

- Idle RPM hunt or erratic idle
- Delayed or no throttle response when depressing accelerator
- Suspect intake air temp sensor codes stored
- Suspect mass air flow sensor codes stored
- Suspect accelerator pedal position codes stored
- Erratic transmission shift points
- Engine surges
- Engine intermittent start then stall
- Hesitation

## FAQs

### How do you clean?

- We use an ultrasonic cleaning system with a rust-inhibiting detergent to clean the plate and bore. For the exterior, we use a glass bead blasting process. We also go through further disassembly for cleaning the internal components.

### How do you test?

- Position sensors are tested to match O.E. characteristics throughout entire range, and final assemblies are tested for all critical functions, including response time and air flow at multiple points.

### What do you replace?

- We inspect and replace all damaged and worn components, including sensors, gears, connectors, and seals. Certain components are replaced 100% of the time based on durability and function.

### What's an electronic throttle body?

- The electronic throttle body is a powertrain component that has a plate, motor, and integrated position sensors which are utilized to regulate the amount of air entering the engine by opening the throttle valve to a desired angle via commands from the vehicle's powertrain control module or throttle actuator control module.

Product Description

Features and Benefits

Signs of Wear and  
Troubleshooting

FAQs

Product Description

Features and Benefits

Signs of Wear and  
Troubleshooting

FAQs

## **What happens when an electronic throttle body fails?**

- When an electronic throttle body fails, the controlling module will illuminate the MIL/SES/CEL. The module will then activate a fail-safe mode operation and gradually reduce the engine's speed back to an idle RPM.

## **What causes the electronic throttle body to fail?**

- The most common failure in an electronic throttle body is the integrated throttle position sensor. The ETB is equipped with high and low voltage reference throttle position sensor for redundancy. Either one of these sensors could fail, or possibly both.

## **Is there anything that has to be done after installing the replacement throttle body?**

- A relearn calibration procedure is necessary after installation of replacement throttle body.

## **Can I purchase a throttle body with a bigger bore to increase horsepower and improve my throttle response?**

- Swapping your throttle body for one with a bigger bore is not recommended. The throttle bodies we sell are specific to the application.

## **Do you sell throttle body spacers?**

- We do not sell throttle body spacers, nor do we recommend the use of a spacer.

## **The O.E. throttle body has coolant hoses attached. What's the purpose?**

- The purpose of the attached coolant hoses is to keep the throttle body warm by the transfer of heat from the coolant to the housing, preventing moisture from freezing between the throttle body bore and throttle valve during extreme cold temperatures.

## **Is it OK to bypass the coolant hoses?**

- No, bypassing the coolant hoses is not recommended. There are cases where we sell units without coolant pipes, because we are following O.E. supersessions where the pipes have been removed. Instructions are provided for rerouting coolant hoses.

## **Do all throttle bodies have an ice-breaker mode for extreme cold starts?**

- Not all throttle bodies have this feature, where the throttle valve is reversed from its normal movement by the control module, which breaks up any ice formation between the throttle bore and valve. This feature is based on application.

## **What else does the throttle body control other than idle air bypass and acceleration throughout driving range?**

- The throttle body is also part of the cruise control, traction control, stability control, and pre-crash systems, as well as other systems that require engine torque management.

Product Description

Features and Benefits

Signs of Wear and  
Troubleshooting

FAQs