# NTB

NEW

## ELECTRONIC THROTTLE BODY

## ACCELERATING ENGINE PERFORMANCE

BSE NEW

PREMIUM QUALITY
MAXIMUM PERFORMANCE

BSE NEW

NTB1009

NTB1010

# PRECISION THROTTLE CONTROL FOR PRECISION ACCELERATION

Acceleration in modern cars requires precision. Throttle control had to evolve and the **ETB** (Electronic Throttle Body) is the answer to that. By replacing the mechanical link between pedal and throttle with digital sensors, the **ETB** gives the **ECM** (Engine Control Module) greater control based on redundant signals from the accelerator pedal. The throttle valve is now fully automated, controlled only by a small motor within the throttle body.

## COMMON CAUSES OF ETB FAILURE

The main cause of failure on the ETB stands with the throttle position sensor. Potentiometer type sensors uses physical contact to define valve opening. Over time, wear can occur and fail without warning.

Many of our throttle bodies are upgraded using non-contact Hall Effect sensors increasing durability and virtually eliminating wear related throttle position sensor failures.

Dirt, oil, and other contaminants may also build up within the throttle valve opening making the butterfly stick and thereby reducing air flow and performance. Software or electronic (shorts) failures are also possible.

Electronic throttle bodies are also susceptible to mechanical failures such as defective motors and broken gears and springs.

## ABOUT ELECTRONIC THROTTLE BODIES

Throttle position sensors, integrated into the unit, transmit throttle valve positioning in real time to the ECU. This feedback along with signals from the accelerator pedal position sensor, provides precise feedback of the throttle angle allowing optimal throttle control under all operating conditions (temperature, altitude, vehicle load, etc.)

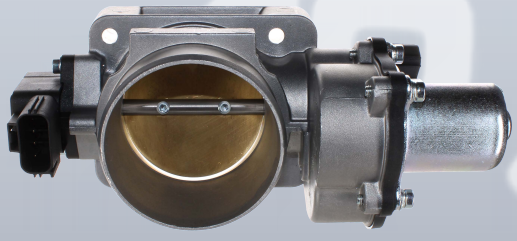
Electronic control also allows easier integration of special features such as cruise, traction, and stability control. This electronic version allows for better air-fuel ratio and emissions control.

**Take the online tour.**

**www.bsecorp.com/throttlebody**

### COMMON SYMPTOMS

- Rough idle, stalling
- Unreliable response to gas pedal
- Slow or uneven acceleration
- Poor fuel economy



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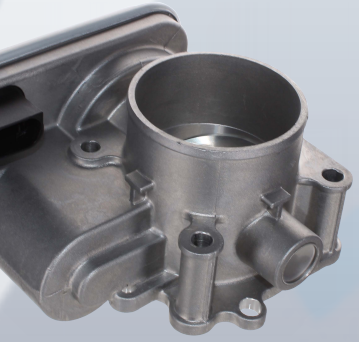

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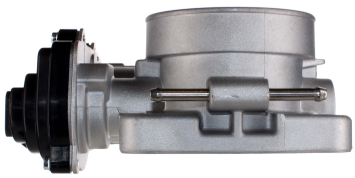
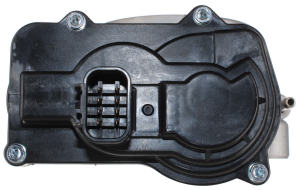




## 100% NEW CONSTRUCTION

100% brand new cases, motors, gears, butterfly, and throttle position sensors.

## UPGRADED

Many ETBs feature upgraded non-contact Hall Effect sensor technology reducing wear and increasing longevity

## EASE OF INSTALLATION

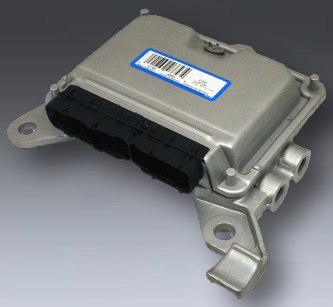
All our new Throttle Bodies come complete with the throttle position sensors and meet OE form, fit and function for ease of installation

## 100% TESTED IN THE USA

All our new Throttle Bodies are 100% tested in the USA using our proprietary test equipment

# MORE PRODUCT SELECTION

**Mass Airflow Sernsors**



**Diesel Fuel Injection Control Modules**

**Anti-Lock Braking System Modules**

**Engine Control Modules**

**Body Control Modules**

**Instrument Panel Clusters**

**www.bsecorp.com** For complete product line information and coverage

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