



# Electronic Throttle Bodies

## Features

- Full aluminum construction
- Engineered to surpass original equipment performance
- Includes new components for optimal functionality
- Select applications utilize hall effect sensor to enhance longevity

## Benefits

- Enhanced durability, providing longevity and reliability even in challenging conditions
- Superior functionality, enabling smoother and more efficient engine operation for improved overall vehicle performance
- Consistent and reliable performance over time, minimizing the risk of breakdowns and ensuring a smooth driving experience
- Increased lifespan of the throttle body by accurately monitoring throttle position, reducing wear and tear on critical components



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## WHAT DOES YOUR ELECTRONIC THROTTLE BODY DO?

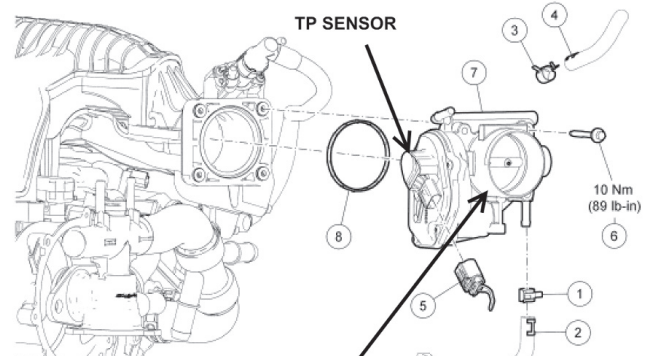
An electronic throttle body regulates the airflow into the engine by controlling the throttle opening. It receives signals from the vehicle's engine control unit (ECU) to adjust the throttle position according to driver input, engine load, and other factors. Essentially, it manages the amount of air entering the engine, which in turn affects fuel delivery and engine performance. This precise control helps optimize fuel efficiency, emissions, and overall engine power.

## WHERE IS YOUR ELECTRONIC THROTTLE BODY LOCATED?

The electronic throttle body is typically located between the air intake system and the intake manifold, near the engine's throttle valve. Its position can vary depending on the vehicle's make and model, but it's usually mounted on the intake manifold.

## HOW DO YOU KNOW THE ELECTRONIC THROTTLE BODY FAILED?

When an electronic throttle body fails, several symptoms may manifest, signaling potential issues with the vehicle's performance. Firstly, engine stalling or irregular idling patterns may occur, often accompanied by fluctuations in RPM. Acceleration response may become sluggish or delayed, resulting in reduced power and performance, especially during rapid acceleration. Additionally, the illumination of the check engine light on the dashboard may indicate a problem with the throttle body or its associated components. Some vehicles also feature an Electronic Throttle Control (ETC) warning light specifically for throttle-related issues. Hesitation or jerking movements while driving, particularly during acceleration or maintaining speed, can also signify throttle body dysfunction. Moreover, decreased fuel efficiency may result from inefficient throttle body operation, leading to poor fuel-air mixture control and potentially higher fuel consumption. If any of these symptoms arise, it's advisable to seek professional inspection and repair to address throttle body-related concerns promptly.



## WHAT HAPPENS WHEN ELECTRONIC THROTTLE BODIES FAIL?

When electronic throttle bodies fail, it can lead to various issues affecting the vehicle's performance. Engine stalling or irregular idling may occur, characterized by fluctuations in RPM. Acceleration response can become sluggish or delayed, resulting in reduced power and performance, especially during rapid acceleration. Additionally, the check engine light on the dashboard may illuminate, indicating a problem with the throttle body or its associated components. Some vehicles feature an Electronic Throttle Control (ETC) warning light specifically for throttle-related issues. Hesitation or jerking movements while driving, particularly during acceleration or maintaining speed, can also signify throttle body dysfunction. Moreover, decreased fuel efficiency may result from inefficient throttle body operation, leading to poor fuel-air mixture control and potentially higher fuel consumption. If any of these symptoms arise, it's advisable to seek professional inspection and repair to address throttle body-related concerns promptly.

## WHY DO ELECTRONIC THROTTLE BODIES FAIL?

Electronic throttle bodies can fail for several reasons. Over time, the internal components such as motors, sensors, and gears may wear out or become damaged. Additionally, carbon buildup on the throttle plate or within the housing can disrupt airflow and throttle operation. Electronic component failure, whether due to manufacturing defects, electrical issues, or environmental exposure, can also lead to malfunction. Contaminants like dirt, debris, or moisture entering the throttle body can interfere with its operation. Problems with software or calibration, as well as faulty wiring or connectors, can disrupt communication between the throttle body and the electronic control unit (ECU). Neglecting regular maintenance, such as cleaning or servicing, can also contribute to premature failure. Addressing these issues promptly through maintenance, cleaning, and timely repair or replacement of faulty components can help prevent electronic throttle body failure and ensure optimal vehicle performance and reliability.

## WHY ARE WALKER ELECTRONIC THROTTLE BODIES BETTER?

Walker Products Electronic Throttle Bodies stand out for several reasons. Firstly, they feature full aluminum construction, providing enhanced durability, longevity, and reliability, even in challenging conditions. Engineered to surpass original equipment performance, they offer superior functionality, enabling smoother and more efficient engine operation for improved overall vehicle performance. Moreover, Walker throttle bodies include new components for optimal functionality, ensuring consistent and reliable performance over time, thus minimizing the risk of breakdowns, and ensuring a smooth driving experience. Select applications utilize a hall effect sensor to enhance longevity by accurately monitoring throttle position, thereby reducing wear and tear on critical components, and increasing the lifespan of the throttle body. These features collectively make Walker Electronic Throttle Bodies a superior choice for vehicle owners seeking durability, performance, and longevity in their throttle system.