



## Electronic Throttle Body

Refer to the authorized original equipment service manual for detailed installation instructions. If you do not have the experience, proper tools or manuals, please seek the services of a qualified technician.



Replacement  
TIME:

2 hrs

### COMMON SYMPTOMS

- Stored trouble codes relating to the MAF, TPS, intake air temp sensor or accelerator pedal position.
- Consistent/intermittent reduction in engine power
- Low idle RPM or erratic idle
- Delayed or no throttle response when depressing accelerator
- Erratic transmission shift points
- Engine surges
- Intermittent engine start, then stall
- Hesitation

### MYTH BUSTER

**Myth:** Installing a throttle body with a larger bore will increase horsepower and improve throttle response.

**Busted:** Although a larger bore throttle body can increase horsepower and improve throttle response, it is not recommended. Trying to push too much air flow into your engine without the supporting fuel, engine and powertrain management modifications will cause a lean running condition which could result in engine damage.



SKILL  
LEVEL:

Service Technician

C

or higher

### TIPS

- Only use hand tools when installing replacement throttle body. Do not use any kind of impact or power tool to tighten throttle body mounting hardware.
- Make sure intake bore and throttle body mounting surfaces are clean before installing replacement throttle body.
- Inspect throttle body harness for worn or frayed insulation. Replace or repair harness, if necessary.
- Ensure connector terminals are secure in their plastic casing and that the connector locking latch is functioning properly. Repair or replace connector, if necessary.
- Inspect air intake tubing for a good seal. Repair or replace tubing, if necessary.
- Inspect attaching hoses on throttle bodies with integrated tubing for coolant flow. Replace any hoses that are collapsed or constricted by debris.
- Perform O.E. manufacturer's relearn calibration process to set base and closed idle valve positions.
- Certain applications have replacement units that are supplied without coolant pipes. This is done to match O.E. supersessions where the pipes have been removed. Instructions are provided for rerouting coolant hoses in these cases.

### BEFORE YOU INSTALL

Keep fingers away from throttle body bore to avoid bodily harm. The internal throttle valve is controlled by reduction gears that can produce a lot of force.

GOT QUESTIONS ABOUT THIS PART?  
CALL 888-280-8324

Monday-Friday