



Electronic Throttle Body

Refer to an 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:**

≤1 hr

depending on application

SKILL LEVEL

Novice



Pro

COMMON SYMPTOMS

- Delayed or no throttle response
- Throttle position sensors codes stored
- Consistent reduced engine power
- Intermittent reduced engine power
- Low idle RPM
- Idle RPM hunt or erratic idle
- Erratic transmission shift points
- Engine surges
- Engine intermittent start then stall
- Hesitation

TIPS

- Review all vehicle manufacturer Technical Service Bulletins, Recalls, Campaigns and Software Updates related to this part type. Follow procedures listed in these documents if applicable.
- All diagnostic trouble codes must be cleared for ECM to relearn new idle values.
- Perform idle relearn procedure as specified by O.E. manufacturer. Most applications will require the use of a scanner. Some applications may refer to a manual procedure.
- A relearn of idle values can be forced by disconnecting the negative battery cable for several minutes in order to clear the electronic control module's memory.
- Several minutes of idling and highway driving may be necessary to relearn idle values. Electrical loads such as headlights, AC, radio, etc. should be turned off while relearning.
- Erratic idle or engine surging after installation of replacement unit may be resolved by putting a load on the engine. If idle smooths out after shifting into gear, shift back into park and check idle RPM, perform relearn if a drivability condition is present.
- Check condition of intake manifold surface and mounting gasket, clean mounting surface and replace gasket if needed.
- Inspect air intake tubing for a good seal. Repair or replace tubing if necessary.
- Intermittent problems and misdiagnosis may be caused by a broken wire in the harness or connector terminal condition. Check harness for broken wires and wiggle test connector to see if problem can be reproduced. Repair or replace connector or harness if necessary.

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

Monday-Friday