ELECTRONIC THROTTLE BODY RELEARN GUIDE

Genuine OE Parts

Customer Installation & Relearn Information

Revision 1.0

IMPORTANT NOTICE

After installation of a replacement electronic throttle body, the vehicle's Engine Control Module (ECM/PCM) may need to relearn throttle position, idle strategy, and airflow. In some applications, this process occurs automatically; in others, a manual relearn procedure or scan tool adaptation may be required.

Failure to complete the required procedure may cause rough/high idle, hesitation, reduced throttle response, ETC or Check Engine lights, and DTCs.

BEFORE REPLACING THE UNIT & PERFORMING ANY RELEARN

- ✓ Vehicle grounds are secure and properly connected
- ✓ Verify correct throttle body part number is installed.
- ✓ Ensure battery voltage is above 12.0 volts.
- ✓ Verify secure grounds and fully seated, undamaged connectors.
- ✓ Verify there are no intake air leaks or damaged vacuum hoses.
- ✓ Clear any stored DTCs before beginning relearn.
- ✓ Refer to OEM service information when available.

THROTTLE BODY RELEARN REFERENCE TABLE

Encore Part Number	Relearn Type
TB-D20001 through TB-D20032 TB-K10001 through TB-K10023	Manual Relearn Recommended
TB-E40001 through TB-E40003	Auto Learn / Scan Tool May Be Required
TB-G30001 through TB-G30019	Scan Tool Adaptation Recommended
TB-J50001 through TB-J50002	Scan Tool Recommended
TB-J50003	Auto Learn / Manual Idle Relearn

GENERAL MANUAL RELEARN PROCEDURE

For applications identified as **Manual Relearn Recommended:**

1. Turn ignition OFF.
2. Verify all accessories are OFF.
3. Turn ignition ON (engine not running) for approximately 10-30 seconds.
4. Turn ignition OFF and wait 10 seconds.
5. Start engine without depressing accelerator pedal.
6. Allow engine to idle until normal operating temperature is reached.
7. Continue idling for an additional 3-5 minutes.
8. Perform a normal road test using varying vehicle speeds and engine loads.

Note: Actual OEM procedures vary by make, model, engine, model year, and ECM calibration.

SCAN TOOL ADAPTATION

For applications identified as **Scan Tool Recommended**, a professional diagnostic scan tool may be required to perform:

- Throttle Body Adaptation
- Throttle Valve Learning
- Idle Air Volume Learning
- Electronic Throttle Control Initialization
- ECM/PCM Adaptive Reset

Failure to perform required adaptations may result in drivability issues or DTCs.

LIABILITY DISCLAIMER

Encore Automotive supplies replacement throttle body assemblies designed to meet or exceed applicable OE fit, form, and function requirements. Vehicle manufacturers may revise relearn requirements, software calibrations, and diagnostic procedures at any time. The information contained in this guide is provided as a general reference only and is not intended to replace OEM service information.

Encore Automotive:

- Does not guarantee that a relearn procedure will correct all drivability concerns.
- Is not responsible for vehicle-specific software, calibration, programming, or adaptation requirements.
- Recommends consulting current manufacturer service information whenever available.
- Recommends installation by qualified automotive service professionals.

INSTALLATION VERIFICATION DISCLAIMER

Before replacing a throttle body, the installer should verify:

- Vehicle diagnosis has been properly performed.
- Wiring integrity is confirmed.
- Connector terminals are free of damage or corrosion.
- Power and ground circuits meet manufacturer specifications.
- Intake system is free of vacuum leaks.
- Related sensors are functioning properly.

Replacement of a throttle body will not correct issues caused by wiring faults, PCM/ECM failures, vacuum leaks, engine mechanical concerns, contaminated fuel systems, or software-related issues.

Need Assistance?
Encore Technical Support
Monday – Friday | 8:00 AM – 5:00 PM PST
949-716-5555

This product should be installed by a qualified automotive professional. Installation and calibration procedures vary by vehicle. Always refer to the vehicle manufacturer's service information for proper installation, diagnostics, and relearn procedures.

Encore Automotive is not responsible for vehicle conditions resulting from improper installation, misdiagnosis, or failure to follow manufacturer-recommended procedures.