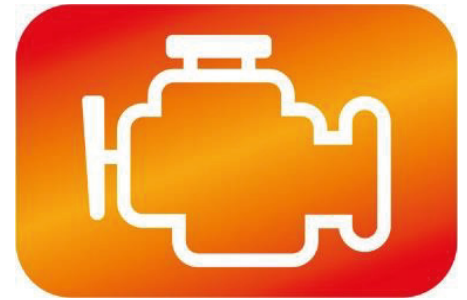


Attention

After installing a new throttle body, the following anomalies may occur:

- Non-functioning new component;
- The new component is not recognized by the engine control unit.



Possible E0BD error codes

- **P0121** – Throttle position sensor (G69) / Throttle potentiometer, implausible signal;
- **P0122** – Throttle position sensor (G69), signal too weak;
- **P0221** – Throttle position sensor (G69), signal too weak;
- **P0222** – B throttle position sensor 2 (G188), implausible signal;
- **P0638** – Cylinder bank 1 throttle control (J338), improbable signal.

Modern engine control units are equipped with **adaptive memory modules**, meaning it is necessary to perform a "initialization" of the characteristic curve data required for proper functioning.

THE REPLACED COMPONENT MUST THEREFORE BE ADAPTED TO THE ENGINE CONTROL UNIT.

This is done through a special programming point on the engine tester (for example: "Basic adjustment").

Note: ALWAYS DISCONNECT THE BATTERY BEFORE INSTALLING THE COMPONENTS. AN ACTIVE POWER SUPPLY COULD CAUSE ANOMALIES OR IMPROPER LEARNING OF THE COMPONENT.

1. Visual inspection and fault diagnosis

- Perform proper fault diagnosis to identify the actual cause of the malfunction;
- Check correct item comparison;
- Verify the integrity of the component;
- Check the connector PINs:
 - Missing PINs
 - Oxidized PINs
- Check the pin signals at the connector using the car manufacturer's wiring diagram.

2. Error clearing

Test tool: **SELF-DIAGNOSIS**

- Connect the self-diagnosis equipment to the vehicle;
- Enter the ENGINE MANAGEMENT >> FUEL INJECTION environment (paying attention to selecting the correct system);
- Check for the presence of errors;
- Clear any errors (if present);
- Verify if any errors are still present.

3. Learning procedure

Test tool: **SELF-DIAGNOSIS**

- Connect the self-diagnosis equipment to the vehicle;
- Enter the ENGINE MANAGEMENT >> FUEL INJECTION environment (paying attention to selecting the correct system);
- Enter the ADJUSTMENTS environment;
- Perform the adaptation adjustment as per the car manufacturer's instructions. If the procedure is unsuccessful, connect to their technical portal to learn the data.