

# **2001 ford 73l powerstroke diesel powertrain control emission service x**

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## **Understanding Your Ford PCM: Troubleshooting and Resetting**

### **What is a PCM on a Ford Truck?**

The Powertrain Control Module (PCM) is the computer responsible for managing various engine and transmission functions in Ford vehicles. It receives signals from sensors and controls components to optimize vehicle performance and fuel economy.

### **Where is the PCM Located on a 7.3 Powerstroke?**

On the 7.3 Powerstroke diesel engine, the PCM is usually located in the engine compartment, mounted either on the passenger's side firewall or on top of the engine.

### **How do I Find my Ford PCM Code?**

To find your Ford PCM code:

1. Locate your vehicle's OBD-II port, usually under the dashboard on the driver's side.
2. Connect an OBD-II scanner to the port.
3. Turn the ignition switch to the "On" position, but do not start the engine.

4. Use the scanner to retrieve trouble codes, including the PCM code.

## **How to Tell if a PCM is Bad**

Signs of a faulty PCM include:

- Engine misfires or rough idling
- Transmission problems such as slipping or delayed shifts
- Illuminated "Check Engine" light
- Difficulty starting or stalling
- Electrical issues such as battery drain or flickering lights

## **How to Fix my PCM Code**

Fixing a PCM code depends on the specific code identified. It may involve:

- Replacing faulty sensors or components
- Updating the PCM software
- Reinitializing the PCM

## **How do you Reset a Ford PCM?**

To reset a Ford PCM:

1. Disconnect the negative battery terminal for 15 minutes.
2. Reconnect the negative battery terminal.
3. Start the engine and allow it to idle for several minutes.

## **What Causes a Ford PCM to Go Bad?**

PCM failures can result from:

- Electrical surges or short circuits
- Heat damage
- Software glitches
- Water or corrosion damage

## Can a Bad PCM be Reprogrammed?

Yes, a bad PCM can often be reprogrammed with new software. This process requires specialized equipment and knowledge.

## How do you Test a Ford PCM?

Testing a Ford PCM involves using a diagnostic tool to assess:

- PCM communication
- Sensor input and output signals
- Control circuit continuity

## Can you Get a PCM Code by VIN?

Yes, it is possible to obtain a PCM code by providing the vehicle's VIN to a Ford dealership or qualified mechanic.

## Are PCM and ECM the Same?

While similar, PCM and ECM are not interchangeable. PCMs are found in Ford vehicles and control both engine and transmission functions. ECMs (Engine Control Modules) are found in other vehicles and only control the engine.

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