

Title	What is an OBD Monitor?						
Tool #	5110	Creator	David G.	Created/Update Date	8/30/2023	T/N #	23-5110-005
Description: OBD systems are implemented in most modern vehicles to monitor the performance of the vehicle's engine and other essential parts. The aim of these systems is to minimize emissions by monitoring numerous car components to ensure they are operating correctly and efficiently.							

Here's a brief recap of the different monitors you've described:



- **CC (Comprehensive Component Monitor):** Checks all input and output signals to and from the car's computer to ensure they're within expected ranges.
- **F (Fuel System Monitor):** Uses a Fuel Trim program to ensure the air-fuel mixture is within optimal parameters to minimize emissions.
- **M (Misfire Monitor):** Continuously checks for engine misfires that could affect the engine's performance and increase emissions.
- **C (Catalyst Monitor):** Checks the efficiency of the catalytic converter, a critical component for reducing emissions.
- **HC (Heated Catalyst Monitor):** Similar to the Catalyst Monitor but with an added heater for faster activation of the catalytic converter.



- **EV (Exhaust Gas Recirculation Monitor):** Ensures the EGR system is operating correctly to reduce the formation of nitrogen oxides.
- **OH (Oxygen Sensor Heater Monitor):** Checks the operation of the oxygen sensor's heater to ensure quick transition to closed-loop operation.
- **O (Oxygen Sensor Monitor):** Monitors oxygen levels in the exhaust to regulate air-fuel mixture.
- **2A (Secondary Air System Monitor):** Injects additional air during cold starts to aid the catalytic converter and reduce emissions.
- **NM (Non-Methane Hydrocarbon Catalyst Monitor):** Specific to diesel engines, this monitor checks the efficiency of catalysts designed to reduce non-methane hydrocarbons.
- **N (NOx Aftertreatment Monitor):** Monitors the system designed to reduce oxides of nitrogen in diesel engines.
- **BP (Boost Pressure System Monitor):** Monitors the integrity and operation of the boost pressure system in diesel engines.
- **EG (Exhaust Gas Sensor Monitor):** Used in diesel engines to monitor the content of the exhaust gas for various emission control systems.