



"The Environment and Safety Are Our Business."

ON-BOARD DIAGNOSTICS II

What is On-Board Diagnostic (OBD)?

The On-Board Diagnostic (OBD) generation II (OBD II) is an advanced computer system installed on all 1996 and newer vehicles. OBD II is an early-warning system that monitors the vehicle's emissions-control devices and other engine-related components to ensure that they are functioning properly. OBD II systems provide valuable emissions information that allows motorists to invest in needed repairs and preventive maintenance to ensure that their vehicle continues to perform properly. Driver must exit vehicle for this test.

What are advantages of OBD II testing?

OBD II systems continually monitor's, tracks, and stores information about a vehicle's emission-control devices and drive train components. The OBD system helps ensure the emission-control system is operating correctly and detects problems that may not be noticeable upon visual inspection. Early detection and repair minimizes the chance of more serious emission-related problems developing.

How is OBD II technology used in emissions testing?

The OBD II system is highly sophisticated. It is designed to identify components that are malfunctioning or in the process of deteriorating to the point of failure. The system monitors engine components and stores information that is downloaded at the Motor Vehicle Inspection Stations. Information collected cannot be altered and no information can be added to the vehicle's computer during inspection or as a result of the inspection

How are drivers notified of an OBD II problem?

As soon as emissions problems are detected, the OBD II system notifies drivers by illuminating warning light on the dashboard. Technically known as a malfunction indicator light, it is commonly referred to as the **“Check Engine”** or **“Service Engine Soon”** light. The on-board computer identifies a problem well before the driver may notice it. These problems include poor fuel economy, lack of performance and/or increased emissions.

What does it mean if the malfunction indicator light is on?

The vehicle's OBDII computer illuminates a malfunction indicator light when it finds a fault that may cause high tailpipe or evaporative emissions. In some cases, it means that immediate service is needed to prevent expensive damage and excessive emissions. If the light is blinking or flashing, have your vehicle serviced immediately. A trained technician should evaluate a vehicle any time a malfunction indicator light is lit for more than one month.

THE ADVANTAGES OF OBD II

- ⇒ Accurate diagnosis that leads to effective, durable repairs.
- ⇒ Short inspection time
- ⇒ Early vehicle maintenance opportunity, which leads to greater fuel efficiency and reliability
- ⇒ Simple and affordable testing methods.
- ⇒ Early detection of potential emission problems.
- ⇒ State-of-the-art evaporative emission detection.