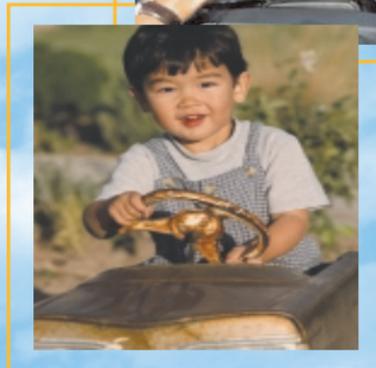
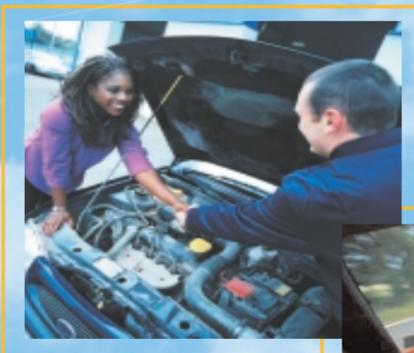




# Do you drive a 1996 or newer car or light truck?

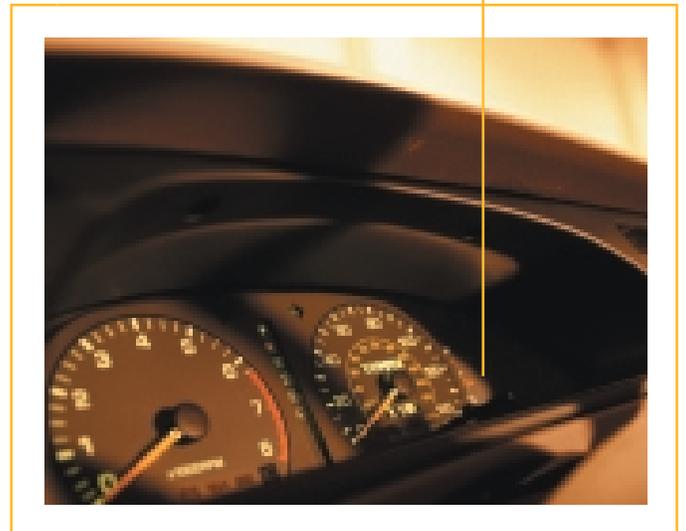


If so, you'll be glad to know that your vehicle is equipped with an early warning system that could save you time, money, and fuel in addition to helping protect the environment!



## How does the system work?

Today's vehicles are highly sophisticated and efficient. All 1996 and newer cars and trucks have an advanced powertrain control computer that uses second generation on-board diagnostics (OBD-II) technology to manage and monitor the operation of the engine, transmission, and emissions control components. OBD keeps your engine running at peak efficiency and will alert you when repairs are needed.



## How do I know the OBD system is working correctly?

When you turn on the ignition, the "Service Engine Soon" or "Check Engine" light should flash briefly, indicating that the OBD system is ready to scan your vehicle for any malfunctions. After this brief flash, the light should stay off while you drive as long as no problems are detected.

## What does it mean if the light turns on while I'm driving?

If the light comes on and stays on, the OBD system has detected a problem. Your vehicle might have a condition that wastes fuel, shortens engine life, or causes excessive air pollution. If left unaddressed, these conditions could also damage your vehicle and lead to increasingly expensive repairs. For example, OBD can identify a loose or missing gas cap (which wastes fuel and contributes to smog) or engine misfire (which can lead to severe or permanent engine damage).

## What should I do if the light stays on?

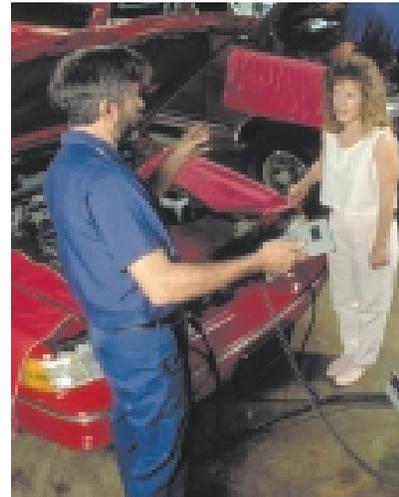
There is no cause for panic. The vehicle is just telling you to seek attention soon.

When you reach your destination, make sure the gas cap is not loose or missing. Always turn off your engine when refueling.

If the light does not go out after a few short trips following gas cap replacement or tightening, have your vehicle serviced by a qualified repair technician soon! Delaying assistance could lead to more expensive damage.

## What does it mean if the light is blinking?

If the light is blinking, a severe engine problem such as a catalyst-damaging misfire is occurring and should be addressed as soon as possible. You can still drive safely, but should minimize your time on the road. Try not to drive the vehicle at high speed or with excess weight (such as towing or carrying heavy equipment).



## What will my technician do when I take my vehicle into the shop?

Ask your repair shop if they employ trained OBD technicians. A modern repair shop or dealership should have an OBD scan tool to diagnose the cause of your vehicle's problem. These technicians will have the proper tools and will know best how to diagnose your vehicle.

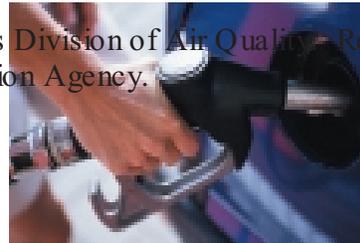
The technician will connect a small, hand-held scanning device to your vehicle's computer (usually through a connector under the dashboard) and download information that can pinpoint the problem. The technician can then repair the vehicle based on manufacturer recommendations. OBD actually helps repair technicians do their job more quickly and reliably, helping you avoid unnecessary repairs and trips back to the shop.

## What should I do if the light goes out before I take the vehicle to the shop?

Usually, nothing. If the problem that caused the light to come on is addressed, the OBD computer will turn the light off. This is not an indication of a faulty OBD system. In fact, the system is doing its job by verifying that a problem temporarily existed but has since been corrected; perhaps a loose gas cap was tightened or fouled spark plug was cleared. Your vehicle needs no special attention unless the light comes on again.

## What else can I do to make sure my vehicle is running well and to minimize its environmental impact?

North Carolina Department of Natural Resources Division of Air Quality – Reproduced with permission from the U.S. Environmental Protection Agency.



Today's vehicles are highly sophisticated and efficient. OBD helps to ensure these vehicles are running in top shape, but you still need to maintain your vehicle according to the manufacturer's recommended schedule. Keep up with routine maintenance and keep an eye out for your Check Engine light. Always turn off the engine before refueling and always make sure the gas cap is securely tightened. You'll save money on fuel and repairs while helping to do your part to protect the air you breathe. In addition, driving as little as possible by combining trips, carpooling, walking, biking, or using public transit are all things you can do to help minimize vehicle pollution.

**For more information on OBD and vehicle inspection and maintenance programs, visit [www.epa.gov/otaq/obd.htm](http://www.epa.gov/otaq/obd.htm) or e-mail [obd@epa.gov](mailto:obd@epa.gov).**

Office of Transportation and Air Quality  
EPA420-F-02-016  
August 2002

North Carolina Department of Natural Resources Division of Air Quality.  
Reproduced with permission from the U.S. Environmental Protection Agency.