



LET'S ALL WORK TOGETHER TO REDUCE AIR POLLUTION AND COMBAT CLIMATE CHANGE...

LET'S MAKE ENVIRONMENTALLY RESPONSIBLE CHOICES WHEN WE PURCHASE, FUEL, MAINTAIN, AND DRIVE (OR DECIDE NOT TO DRIVE) OUR VEHICLES...

LET'S DRIVE GREEN ROULONS VERT



WELCOME...

to this LET'S DRIVE GREEN *Voluntary Vehicle Emission Inspection Clinic*. This is an opportunity for you to consider some of the effects that your vehicle – and the way you drive and maintain it – has on the Earth's climate and our supply of fresh clean air. You will find out how you can reduce harm to the environment and your costs for transportation at the same time.

The survey that you have been asked to complete is anonymous. Environment Canada will use it to update its data on the transportation-related opinions and habits of Canadian drivers.

This "no fees/no fines" inspection takes 5–10 minutes and involves:

- **Testing the seal on your gas cap.** Evaporated fuel is wasted fuel and harms the environment directly.
- **Checking air pressure in all four tires.** If pressure is too low, fuel economy is reduced and emissions increase. If pressure is either too low or too high, tire treads wear prematurely and this could be a safety hazard.
- **Measuring hydrocarbon and carbon monoxide emissions from your vehicle's tailpipe.** Tailpipe emissions contribute to air pollution (for example, smog) and climate change. Some other important tailpipe emissions are as follows:

Carbon dioxide	Nitrogen oxides
Toxic substances	Particulates

If hydrocarbon or carbon monoxide emissions are high, a clinic staff will look under the hood to determine if there are any obvious reasons for the high results.

When the inspection of your vehicle is finished, your results will be explained in detail and we will gladly answer any questions that you may have.



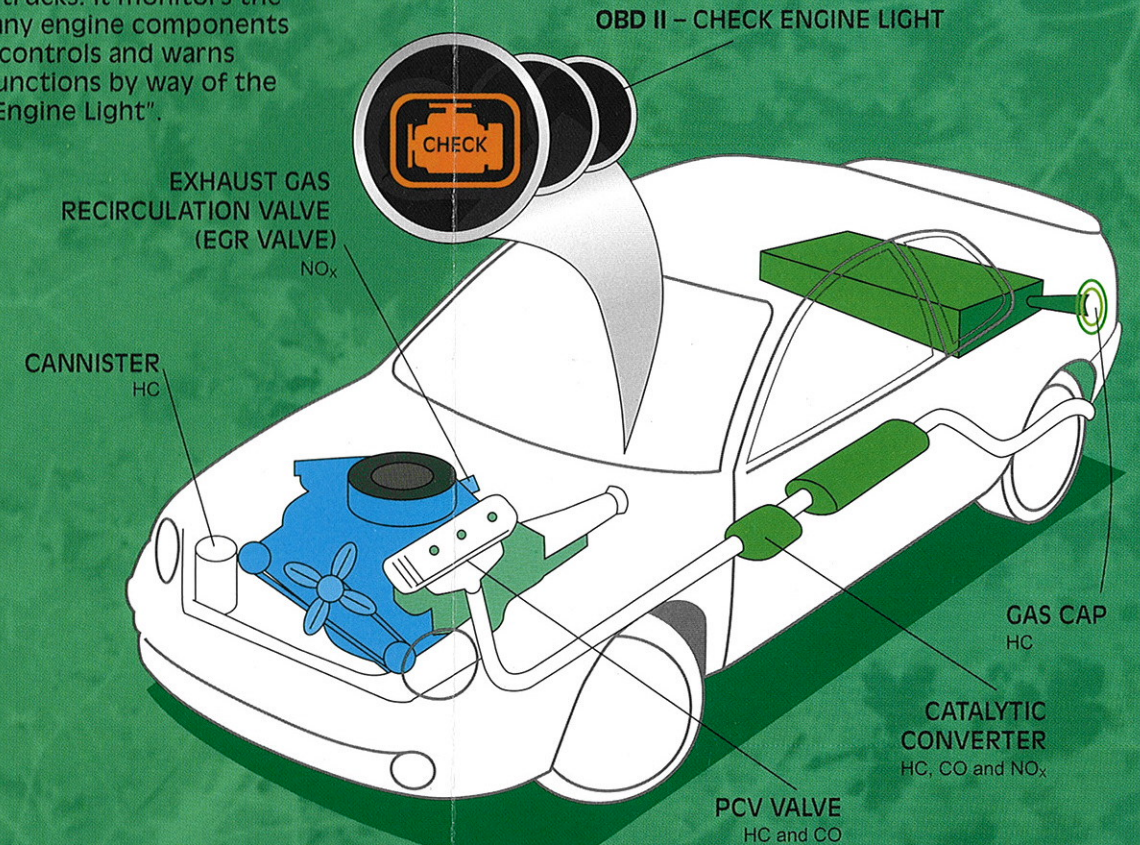
YOUR VEHICLE

All new vehicles sold in Canada have had to meet specific federal emission regulations since 1971. Canadian new vehicle standards are among the most stringent in the world. Once on the road, it is generally left up to the owner to ensure that emissions from the vehicle remain low.

Today's vehicles are designed with emission controls as integral components of the powertrain. Intentional or otherwise, a significant number of Canada's automobiles have emission-control systems that are not functioning properly; this will drastically increase emissions and will likely have a negative effect on vehicle performance and durability.

Your vehicle is equipped with some or all of these anti-pollution devices:

- **OBD II (On-Board Diagnostics):** A computer based system built into all 1998 and newer light duty cars and trucks. It monitors the performance of many engine components including emission controls and warns drivers of any malfunctions by way of the dashboard "Check Engine Light".



- **Catalytic converter:** Significantly reduces the amount of carbon monoxide, hydrocarbons and nitrous oxides that is emitted by your vehicle. Found on the exhaust system, usually between the muffler and the engine.
- **EGR (Exhaust gas recirculation valve):** Designed to keep the temperatures in the combustion chamber lower, which reduces emissions of oxides of nitrogen. Found on the engine block.
- Others include the **PCV (positive crankcase ventilation) valve** which reduces hydrocarbons, cannister and gas cap which both reduce evaporative hydrocarbon emissions.

REDUCE EMISSIONS

...to sustain clean air and slow the rate of climate change

Air pollution and rapid global climate change – separately and in combination – harm the health, livelihoods, and environmental capital of Canadians. Here are some examples:

- Urban air pollution from traffic contributes to smog, which has significant impacts on human health and increases the number of respiratory problems hospitalizations.
- Severe weather events, such as intense heatwaves, are expected to become more frequent and extreme as a result of climate change. During heatwaves, the smog problem is magnified
- Lower water levels in major Canadian lakes are also among the expected impacts of climate change, with potential consequences for jobs (e.g., tourism) and for environmental capital (e.g., shoreline property and drinking water).

...to meet the one-tonne challenge

Did you know that, on average, each Canadian produces just over 5 tonnes of greenhouse gases every year? Every time we use energy from fossil fuels to power our cars, heat our homes or run our appliances we create greenhouse gas emissions that contribute to climate change.

Light-duty vehicles account for roughly 12 per cent of carbon dioxide emissions (one of the most important greenhouse gases) in Canada. There are over 18.6 million cars and light trucks on Canadian roads, each emitting an average of 2.5 to 6 tonnes of carbon dioxide per year.

Join the One-Tonne Challenge and reduce your greenhouse gas emissions by one tonne – about 20 per cent. You can meet the challenge by using less energy, reducing waste and making smart consumer decisions. You'll save money, protect our climate and help give us cleaner air.

WHAT YOU CAN DO

...for clean air and a less extreme climate for future generations

- Reduce the amount that you drive. Tell others what you are doing and why.
- Match your vehicle to your needs and consider environmental as well as economic factors, before you make your selection.
- Follow the manufacturer's recommended guidelines for oil-changes and maintenance. Have emission control systems checked yearly, and don't tamper with any of the emission control devices.
- Check your tire pressure monthly. Do it at home when the tires are "cold."
- Don't overfill your gas tank.
- Avoid idling for more than 10 seconds. Modern vehicles need little warm-up; they are most efficient when being driven.
- Avoid stop-and-go driving.
- Only use an air conditioner when you have to. Open the window or the fresh air vent.
- Park in the shade on hot sunny days. Pollution and waste occur when a parked car heats up and gasoline evaporates from the engine and gas tank.
- Scrap your older, high emitting vehicle.



TOOLS AND INFORMATION

Buy, drive and maintain your vehicle so you save money and help the environment.

Here are some tools and information for green buyers and drivers, most of which we have available today so ask for your copy.

- The **AutoSmart Guide** – Simple tips for buying, driving and maintaining a vehicle and minimizing fuel costs. (Booklet)
- **Fuel Consumption Guide** – for new vehicles. Find out how fuel efficient a vehicle is by comparing it to other makes and models. (Booklet)
- **Fuel Consumption Calculator** – for fuel savings and to alert you to potential mechanical problems related to increased fuel consumption. (Folder)
- **EnerGuide Label** – on all new vehicles, it shows city and highway fuel consumption ratings and estimated annual fuel cost.
- **EnerGuide for Vehicles Awards** – recognize the most fuel-efficient vehicles in their class. (1 pg)

For free copies of the above and more, call 1.800.387.2000 (toll-free) or e-mail auto.smart@nrcan.gc.ca. Or check the Web site at http://oee.nrcan.gc.ca/english/p_transportation/index.cfm

- **Tire inflation – Riding on air.** Critical safety and environmental information for you and your tires. Detailed practical text and illustrations. (Pamphlet, 15 pages) www.betiresmart.ca
- Take action on climate change and join the One-Tonne Challenge today! Visit www.climatechange.gc.ca today for a free copy of Your Guide to the One-Tonne Challenge and to try the on-line Calculator to see how many greenhouse gas emissions you produce.
- Vehicle scrappage is being offered in several locations across Canada, please consult our website for more details at www.ec.gc.ca/transport/

For more info on the LET'S DRIVE GREEN program, please visit our website at www.ec.gc.ca/letsdrivegreen

