

# Lexus of Oakville's Fuel Savings Services

## Complimentary "Ultimate Inspection" **\*\*Exclusively at Lexus of Oakville**

Adjust tire pressures to manufacturer specifications  
Checks wheel alignment specifications  
Checks onboard diagnostics for engine fault codes.

## Regular maintenance

Regular engine oil changes to reduce engine friction  
Regular air filter changes to prevent air restrictions  
Brake services to prevent wheel drag.

## Perform a fuel induction service

A fuel induction service clears out the carbon deposits and other buildup that forms inside your engine's parts. When performed by a Lexus technician, this engine service can greatly improve your vehicle's fuel efficiency and drivability. It's a good idea to book an appointment if you notice the following. Slower pick up, shaking or vibrating when your vehicle is in idle, lower fuel efficiency, and a rougher ride than usual.

**\*\*Exclusively at Lexus of Oakville** - Complimentary "Ultimate Inspection" completed on any maintenance or oil change scheduled appointment



# Fuel Saving Tips

## Accelerate Gently

The harder you accelerate the more fuel you consume. In the city, you can conserve fuel by easing onto the accelerator pedal gently and gradually.

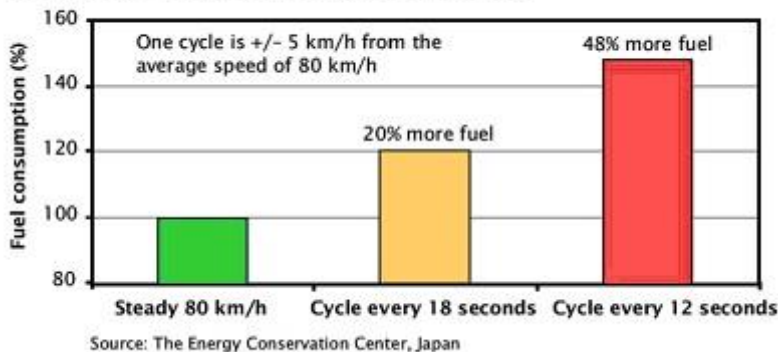
To maximize your fuel efficiency, take five seconds to accelerate your vehicle up to 20 kilometres per hour from a stop.

Just imagine that there's an egg under your pedal and an open cup of coffee on your dashboard. Be careful not to break the shell or spill the drink! If you're driving a gasoline fuelled vehicle with a manual transmission, use a moderate throttle position and shift between 2,000 and 2,500 revolutions per minute.

## Maintain a Steady Speed

Be consistent. Unintentional dips in speed and sudden bursts of acceleration to keep pace take a toll on your tank—and your wallet. In fact, tests have shown that varying your speed up and down between 75 km/h and 85 km/h every 18 seconds can increase your fuel use by 20 percent.

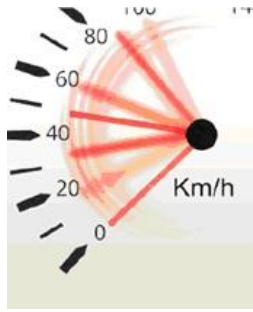
Effect of speed variation on fuel consumption



Consider using cruise control for highway driving. Be mindful, however, that little variations in speed can actually be good when gravity does the work. Where traffic patterns permit, allow your speed to drop when you travel uphill, and then regain your momentum as you roll downhill.

## Anticipate Traffic

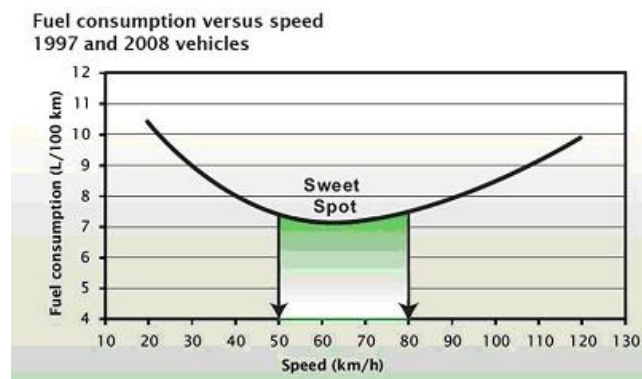
Plan your maneuvers well in advance to maintain your vehicle's momentum. Read the road ahead, anticipate road disruptions, monitor the movements of pedestrians and other vehicles, and keep a comfortable distance between your vehicle and the one in front of you. These driving techniques will enable you to keep your speed as steady as possible and avoid unnecessary fuel consumption *and* safety risks.



Safety always comes first. Slow down in construction zones and when the weather is bad, and stop fully at stop signs and red lights. You're on a journey to save money and the environment; make sure you live to enjoy the adventure.

## Avoid High Speeds

Heed the speed limit and save! Most cars, vans, SUVs and pick-up trucks operate most fuel efficiently when travelling between 50 and 80 km/h above this optimal speed zone, vehicles consume increasingly more fuel the faster they go.



At 120 km/h, a vehicle uses about 20 percent more fuel than at 100 km/h. On a 25-km trip, this spike in speed—and fuel consumption—would cut just two minutes from your travel time. Consider too that high-speed driving is less safe because people behind the wheel do not have adequate time to respond to hazardous situations.

For example, if it takes ten dollars' worth of fuel to drive a certain distance at 100 km/h, it would cost 12 dollars to travel that same distance at 120 km/h. That is like throwing a toonie out the window every 100 km.

## Coast to Decelerate

As a driver, you often need to apply your brakes to bring your vehicle to a complete stop. However, by anticipating traffic slowdowns as early as possible, you can decrease your speed, conserve fuel and save money by simply taking your foot off the accelerator.

Today, most vehicles are equipped with fuel-injection systems that automatically shut off the flow of fuel to the engine when the accelerator is fully released. In this mode, the decelerating vehicle can be thought of as coasting and using no fuel. When the engine speed drops to idle, the injection system restarts the flow of fuel to ensure that the engine doesn't stall.



Coasting to decelerate also reduces wear and tear on your tires and brakes, which in turn reduces your maintenance, repair, and servicing costs.



## More Fuel-saving Tips

### More ways to reduce your fuel use

Here are six more easy ways you can reduce your fuel consumption—and costs—by as much as five percent:

1. *Avoid unnecessary idling.*

Turn off your engine when you are stopped for more than 60 seconds, except when in traffic. The average vehicle with a three-litre engine wastes 300 millilitres—more than one cup—of fuel for every 10 minutes it idles.

2. *Measure tire pressure monthly.*

Operating a vehicle with its tires underinflated by 8 psi (56 kPa) can reduce the life of the tires by 10,000 kilometres and increase the vehicle's fuel consumption by four percent. You can find the recommended tire pressure for your vehicle on the tire-information placard—located on the edge of the driver's door or doorpost—or in your owner's manual. Learn more about tire maintenance at [http://www.lexusof oakville.ca/pdfs/parts/Tire\\_Awareness.pdf](http://www.lexusof oakville.ca/pdfs/parts/Tire_Awareness.pdf)

3. *Avoid carrying unnecessary weight.*

Remove items such as salt, sand and sports equipment from your vehicle before setting out. The less weight in your vehicle, the less fuel your engine will need—and the fewer carbon dioxide emissions your vehicle will produce. Consider that the fuel consumption of a mid-size car increases by about one percent for every 25 kilograms of weight in the vehicle.

4. *Remove roof or bicycle racks when not in use.*

Use a removable roof or bicycle rack and install it only when needed. By avoiding the extra bulk, you'll streamline your vehicle and minimize aerodynamic drag—the air and wind resistance your vehicle must overcome to accelerate and maintain a constant speed. Depending on the shape of a vehicle's roof rack and the items it carries, aerodynamic drag can increase fuel consumption by as much as 20 percent on the highway.

5. *Use air conditioning sparingly.*

Air conditioning can increase a vehicle's fuel consumption by as much as 20 percent. Try opening a window while driving in the city and use the vehicle's flow-through ventilation system with the windows up while on the highway. If air conditioning is a luxury you simply don't want to give up, select the re-circulate option as opposed to the fresh-air alternative to help minimize the impact of air conditioning on fuel consumption.

6. *Use a fuel-consumption display.*

See the impact of the five fuel-efficient driving techniques firsthand with the help of a fuel-consumption display—a feature now standard in many vehicles. (Some newer vehicles come equipped with even more sophisticated displays that analyze speed variations, shift points for manual transmissions, and driving behaviors such as acceleration and braking times.) Calculate the amount of fuel you consume on trips and challenge yourself to do better. Many drivers consume 15 percent less fuel by acting on the feedback that fuel-consumption displays provide.



## Trip Planning Tips

### Plan your trips, track your fuel, and save

Get the most out of your tank and your time on the road with these five travel-management tips:

1. *Plan ahead.*

Map out your route, especially if it's long. Where possible and prudent, use four-lane rather than two-lane highways and avoid roads that cut through major cities and are dotted with stoplights, intersections and pedestrians. On shorter trips, listen to traffic reports and pick routes that—while perhaps longer—enable you to steer clear of accidents, road construction, steep hills and other trouble spots.

Whatever your destination, always give yourself enough time to get there. Without the stress of running late, you'll be more likely to brake gently, accelerate slowly, avoid high speeds and enjoy your ride.

2. *Combine trips.*

Run your errands one after the other, planning your route to avoid backtracking and rush-hour traffic. The longer excursion will enable your vehicle's engine to warm up to the temperature at which it converts energy most efficiently.

3. *Track your fuel consumption.*

Challenge yourself to cut your fuel consumption. For example, aim to make a tank of fuel last two weeks, or try to keep your monthly fuel costs below a certain amount. To help you achieve your goals, use Natural Resources Canada's Track Your Fuel Consumption tool. This online app enables you to calculate your fuel consumption and compare it to manufacturers' base ratings and the results of other drivers with the same vehicle.

4. *Use a vehicle suited to your needs.*

Check out Natural Resources Canada's [Fuel Consumption Guide](#) for a complete list of vehicles sold in Canada, along with their fuel-consumption ratings and estimated annual carbon dioxide emissions. Use the information in the guide to help you select the most fuel-efficient vehicle for your daily needs.

5. *Drive less often.*

The most obvious way to cut your fuel consumption is to spend less time in your car. Walk or bike to your destination and you'll drop your fuel consumption to zero while enjoying the benefits of a healthier lifestyle. Take the bus or join a car or van pool and you'll join the other passengers in saving fuel and preventing tonnes of air pollutants from being emitted each year.

Another way to minimize your time on the road is to work from home whenever possible. Every day you telecommute reduces the amount of fuel you use each week to get to and from work by 20 percent.



## [Lexus Fuel Economy Guide](#)