

May 2006

**Topic**

New Ethanol Blended Fuels in the Canadian Marketplace

**Issue**

Many consumers and technicians have noticed an increase in fuel consumption as well as the service engine light coming on and when checked, a lean code is detected.

**Solution**

If your vehicle was not calibrated for a fuel blended with ethanol the following adjustments can be done to restore the expected mileage and performance prior to the change in the fuel type. NGK Spark Plugs Canada Limited recommends to install a spark plug one heat rating cooler than OE to dissipate the increase in cylinder temperature as well as adjusting the spark plug gap setting to 0.010" smaller than the vehicle's factory setting (Note: do not reduce gap to less than 0.035").

**Additional Information**

This is very common in "Abnormal Use Applications" such as;

- Towing trailers of any kind on a continuous basis
- Fleet accounts
- Delivery vehicles
- Police or Taxi vehicles
- High km's vehicles
- Modified engines
- Any vehicle that uses a performance air filter (35% more air flow)

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