

1200 rpm and add several bottles of dry gas (a combination of methanol and ethanol usually sold during the winter months in area's prone



to snow/frost) to your almost empty gas tank. You'll need 4-5 8oz bottles per 10 gallons of

gas. If you can't find dry gas just go to a hardware store or your local Home Depot to buy pure methanol or denatured ethanol in the paint department as it has the same ingredient as dry gas. For seriously gross polluters, however you will need more dry gas than gasoline. Using more will lean out your fuel mixture to the point that your engine will barely idle or run. You just have to find the right mix for your needs. Just make sure not to run this mixture for an extended period of time as it can

damage the rubber components in your engine. Fill up your tank with gas to dilute the dry gas mixture after you pass the smog test to avoid damage.



EGR valve & Total Emissions.

Your engine has to work overtime to try to re-burn already burnt exhaust gases and you have to step on the gas pedal and use more fuel to accomplish this objective. The result is lower emissions at the emission check center but higher total emissions because you're burning more fuel you're emitting more pollutants in the air thus defeating your purpose.

Hydrogen Electrolyzer Systems.

Sometimes known as Water4Gas-type devices, these work great when used in conjunction with the Gas & Performance Tips to increase your gas mileage, performance, make your engine last longer and help keep our air clean. It's what I use. Hydrogen Electrolyzer plans can be found at:

<http://waterpoweredcar.com/hydrobooster2.html>

(I am not connected to the waterpoweredcar.com website or its affiliates in any way.)

Special note for Water4Gas-type systems: Do not use the manifold and port vacuum as directed in their plans since this will cause a drop in manifold pressure causing your on-board computer to richen up the air-fuel mixture and cause higher hydrocarbon emissions thus defeating your purpose. Also, connect the output of your Electrolyzer device before your air box-air filter, not after as shown in their instructions or you will be letting dirt into your motor eventually causing premature piston ring failure, etc.

A word about Electrolyzer flow.

Despite popular belief that adding more cells, more wire area, more plates, etc. will increase the flow of HHO - increasing current will only cost you money by putting an excess load on your alternator - the end result being it costs you more power just to make power and you'll defeat your purpose of increased mileage and performance. High voltage systems are the only way to increase flow without drawing too hard on your alternator. It's not the current that you need - it's the voltage.

TIPS TO BOOST GAS MILEAGE & PERFORMANCE



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Tips to Boost Gas Mileage & Performance - what they don't want you to know!

Performance & Gas Mileage

Save \$\$\$ on gas, get performance boosts and clean up our environment! Magnetic-style fuel savers keep fuel injector nozzles clean by removing carbon and varnish buildup. Your engine will have more power, run smoother, last longer and require less maintenance.

Here's how it works!

Gasoline starts losing its potency soon after its made, then the fuel molecules start to cluster. The molecules on the inside of these clusters can't be exposed to the oxygen necessary for combustion. The result is incomplete fuel burn with the unburned molecules emitted as pollution or remaining inside the engine as damaging carbon/varnish deposits. Magnetic-style fuel savers create a magnetic field to break up and pull apart these fuel clusters, exposing all molecules to the oxygen, ensuring the best fuel burn possible! Even the EPA has tested these devices and found them to be effective to lower emissions. From my own experience I have been able to get questionable vehicles through the tough new smog check inspections in California - they really do work!

How to make your own.

Simply purchase two south pole magnets. I use high power ceramic type removed from worn out computer hard drives.



Place one magnet on either side of your fuel line attracting each other positioned as close

as possible to your engine as shown in picture. You can also place one magnet on the gas line input to each of your fuel injectors for the maximum effect as shown in picture. You will be amazed at the radical difference in your gas mileage and performance with this simple magnetic-style fuel saver tip!



The performance increases will be very noticeable as you won't have to use that heavy foot on the gas pedal anymore, just a light touch gets you right out into traffic!

The result - the less you have to step on the gas peddle, the better your gas mileage!

Which emissions equipment greatly reduces gas mileage & performance?

To clean up auto emissions, the EGR valve is designed to dump already burnt, hot exhaust gas back into your engines air intake to re-burn it again. The problem is re-circulating hot exhaust gas will cause premature exhaust valve failure, head gasket failure and other overall engine problems from overheating.



If functioning correctly (valve opens and idle speed drops when vacuum is applied) this device will kill your performance and gas mileage by an estimated 25 to 35 per cent! You can make sure your EGR valve is functioning correctly by simply making sure the



vacuum hose is connected to it, newer vehicles have electronic EGR valves so make sure the plug is connected to the valve to function. Also your check engine soon light will come on after only a few minutes if this device is malfunctioning.

Defeating the EGR valve for off-road use only.

Off-road vehicles used for racing, etc. can temporarily defeat the EGR valve



by simply clamping the vacuum line leading to the valve or if it is the newer electronic EGR valve, unplugging the connector. If you are unsure of where your EGR valve is located, look under the hood of your car for a diagram or consult your service manual.

Preparing for the emissions test.

Make sure you have taken all the necessary steps to ensure you have done everthing possible to lower emissions, like change your spark plugs, air filter, oil and filter, ignition wires, distributor cap & rotor, check for any cracks and air leaks in vacuum hoses, etc. Then install your magnetic-style fuel saver and add a bottle of fuel injector cleaner or about 12oz of kerosene to your gas tank, then run your car for a day to clean things up inside your motor.

What if your car fails the smog test?

If your car failed for high emissions, retard your ignition timing , raise the idle speed to