

# UNDER THE HOOD

## WITH THE MOTOR MEDICS

Dear Motor Medics

I took my 2001 Grand Prix GT to the GM dealership because it was getting an SES light. The GM tech said that the SES light was due to an EGR error (something about opening and closing). They wanted around \$400 to replace, I am very mechanically inclined and would like to replace this part myself BUT Where is the EGR located on the 3800 series engine? And how hard is it to replace? Any other tips I should know? Love the show guys!

Thank you, Tyler in Sioux Falls.

Tyler, thank you for the email and for listening to the show. There are many people like yourself who want to do their own work. On our show we try to give tips that will help you to do this and save money in the process. Your question covers most all of the 3.8 equipped GM cars. The EGR is located on the top rear drivers side of the engine. Rear meaning windshield side. This valve allows exhaust gases to pass back into the engine where it is used to reduce the temperature of the cylinders and control emissions. To remove the valve it only requires removing

two bolts. Once removed clean the gasket area taking care not to drop any pieces into the openings in the manifold. Install a new gasket and the new valve. Start the engine and listen for leaks. That's it! If you have a check engine lamp on after repair you will need to have the code cleared. Take care, Russ and Shannon The Motor Medics.

Dear Motor Medics

Gas prices frustrate me like everyone else I'm sure. On your show I have heard you talk of ways to help with fuel economy, both things I can do myself and things you can do in your shop. Please remind me so that I can scrape every foot out of a tank of gas. I really love the show guys. I may result to sitting in my driveway with the radio on listening to you instead of driving with the mileage I get today.

Thanks a bunch guys, Marty in Brandon.

Thank you Marty, we appreciate the compliments and can help you with your gas problem. These are some things any person can do to get the most from their tank. 1. Fill up your tires to the recommended air pressure

on the side wall of the tire. Do this now before you do anything else. A low tire is not only unsafe but is a big user of fuel. 2. Winter is coming. It will get cold but if you run your vehicle when you are parked to keep warm you can cut your mileage in half. Find a place to wait inside to stay warm if you can. Don't forget to properly warm up the vehicle before you drive though. If you have a remote start use it once then get in and go. A cold engine will use more fuel and wears parts faster. 3. When was the last time the air filter was changed? If you don't know then it has been too long. This is an easy job for most people at home. Here are some more major items to think of that can increase fuel mileage as much as 3 mpg or more. 1. Have a fuel system cleaning service done. Do a complete cleaning that cleans the injectors with a machine, puts an additive in the tank, and also cleans the air intake system. The cheaper cleanings may run a little less money but the saying you get what you pay for comes to mind. 2. Spark plugs and oxygen sensors only last so long. More than 75000 miles or 5 years? Think about changing them. Good luck, and happy fuel savings, Russ and Shannon The Motor Medics.

*Advice given by the Motor Medics is for use as a guide to repair. Always check with your favorite repair shop for verification. The motor medics have been operating a repair shop and answering questions on the air for 19 years. Russ is an ASE Master Certified Technician with extensive dealer and aftermarket training. Shannon is an ASE Certified Parts Specialist with more than 30 years in the automotive world. You can ask a question of The Motor Medics by going to [help@underthehoodshow.com](mailto:help@underthehoodshow.com) we will answer your question on line and you may see it appear in this publication. The Under The Hood Show can be heard each week on local stations with coverage reaching 7 states and on [www.underthehoodshow.com](http://www.underthehoodshow.com). Go to [Underthehoodshow.com](http://Underthehoodshow.com) to find one near you.*



with Shannon Nordstrom and Russ "The Super Tech" Evans

Thursdays at 10 a.m. - AM 1320 KELO  
Live on the web at [www.underthehoodshow.com](http://www.underthehoodshow.com)