



Fuel Injection System

Vehicle fuel injectors, like your teeth need a professional cleaning once a year and regular cleaning between check-ups. Fuel injector cleaning should be part of your regular engine maintenance plan. They are very crucial to the way your engine performs. It's important that they function at optimum levels; otherwise, you'll pay the price of poor drivability, reduced fuel economy, higher emissions and overall poor performance.

Fuel injectors, just like the name says, inject fuel into your engine's cylinders where it burns to power your vehicle. The injectors have to spray the fuel in a specific pattern and in precise amounts to give your vehicle proper mixture and maximum power. They are like small precise garden hose nozzles; twist the nozzle and the spray changes from a wide spray to a narrow stream. Think about what happens when dirt gets in a hose nozzle or you put your thumb over it. The spray pattern changes and water squirts every which way. This is what happens when dirt and deposits gum up your fuel injectors. The spray is distorted, the cylinders don't fire the way they should and your engine performance deteriorates. Some deposits come from additives in the gasoline, which stay behind and bake onto hot surfaces, like the valves, pistons and fuel injectors. Every time you drive, a little more gum builds up forcing your injectors to spray fuel a little bit differently. Because all this happens gradually, you won't notice a sudden change in your vehicle's performance. But as injectors get clogged, your car might hesitate, stumble or suddenly lose power. Other signs of fuel injector problems are hard starts or rough idling. All gasoline contains additives so you cannot avoid them by switching to a different brand or higher octane. That's why regular fuel injector maintenance is so important.

Keeping your fuel injectors clean takes a team approach with you and your service technician. Your engine needs a professional fuel injector cleaning yearly with specialized equipment to remove the deposits. You can help minimize build-up on your fuel injectors with regular additions of a good quality fuel injector cleaner. Just add a bottle of cleaner into a full tank of gasoline every 5,000 kilometers to help keep your injectors clean. Then be sure to have them professionally cleaned once a year to remove any stubborn deposits. It's that simple, your fuel injectors will operate at peak efficiency and your vehicle will operate at maximum performance. Make fuel injector cleaning a part of your regular vehicle maintenance program, your engine will thank you.

Here at Buehler Automotive we perform injector servicing with a "MotorVac" flushing machine and BG brand injector flushing agent. We also carry BG brand injector cleaning products for your gas tank. If you have any questions feel free to drop by or call us, we will be happy to help you get the maximum performance from your automobile.