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egr system diagram the egr valve is normally closed there is no egr flow when the engine is cold at idle or during hard acceleration the egr flow is at its peak during steady cruising under moderate load in some cars the egr valve is operated by a vacuum actuator as in the first diagram below integral to the vehicle s engine management system the aptly named exhaust gas recirculation valve or egr valve for short recirculates finely metered quantities of exhaust gas to the engine intake system for increased engine efficiency reduced fuel consumption and lower nox emissions see the diagram in some cars an egr valve is controlled by a vacuum in most modern cars the egr valve is operated by a built in electric step motor the egr flow is at its peak during steady cruising the egr system flow is monitored by several sensors in vehicles the egr valve or exhaust gas recirculation valve is part of the engine management system and is in charge of reintroducing exhaust gas in meas egr valves perform an important function in keeping our air clean by reducing combustion temperatures if you do an egr delete you eliminate the cooling effect of egr the higher combustion temperatures will cause detonation piston damage and burn your exhaust valves in other words an egr delete will also damage your engine the amount of exhaust gas mixed with the intake charge is controlled by an egr valve egr on a gasoline engine a diesel system is different is only introduced during part throttle and light load keywords hcci egr rate engine performance emission no x co hc co the n heptane fuel injection process is based on the control system with the diagram shown in fig 3 the injection where can you find a diagram for a water pump rebuild for a 2005 gmc sierra 3500 6 6 liter diesel you can find a diagram for a water pump rebuild on a 2005 gmc sierra 3500 6 6 liter diesel in the chilton repair manual you can also check local auto stores mitsubishi eclipse wiring justanswer2000 mitsubishi eclipse 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integral to the vehicle s engine management system the aptly named exhaust gas recirculation valve or egr valve for short recirculates finely metered quantities of exhaust gas to the engine intake system for increased engine efficiency reduced fuel consumption and lower nox emissions

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in vehicles the egr valve or exhaust gas recirculation valve is part of the engine management system and is in charge of reintroducing exhaust gas in meas

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egr valves perform an important function in keeping our air clean by reducing combustion temperatures if you do an egr delete you eliminate the cooling effect of egr the higher combustion temperatures will cause detonation piston damage and burn your exhaust valves in other words an egr delete will also damage your engine

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