

EGR delete kits for diesel trucks

In the world of performance upgrades, an EGR delete kit is one of the most well-known upgrade. While it is true that most truck drivers and owners know that an EGR delete kit enhances performance, not everybody is aware of what it actually involved, how it works and why it is beneficial.

Read on to learn more about how our EGR delete kits can help with engine power and performance.

We've already discussed in a previous article, EGR stands for Exhaust Gas Recirculation. An EGR delete kit is an aftermarket parts assembly that lets you remove the EGR system from your diesel truck. After you have installed an EGR delete kit you will notice a number of differences in your diesel truck. Two of the most prominent ones are:

1. *Your engine is going to be a lot more powerful.* As discussed in the previous article, EGR valves limit efficiency and decrease engine performance. Which bring us to our next point.
2. *Increased fuel efficiency.* With an EGR delete, the engine has to work less in order to deliver the same amount of power as before, burning less fuel in the process, and increasing the lifespan of your engine – discussed further below.

An EGR delete kit comes with its pros and cons nonetheless. A few of the pros are:

1. Fuel efficiency improvement. When you can restore the power levels to your diesel engine, then you're also restoring its overall fuel efficiency. You're now sending the exhaust gas away from the engine when using an EGR delete kit, which means it begins to run cleaner. That makes the process more efficient while reducing the risk of a diesel particulate filter failure. You may see up to a 15% increase in your fuel economy when using this product option while promoting improved longevity of the engine at the same time.
2. Easy install on most diesel engines. Most diesel engines use an EGR valve which develops high soot content over time. This development blocks proper air flow into the engine while increasing the risk of having a deposit reintroduced into the engine. Installing the software from an EGR delete kit will bypass this valve, which will work to restore power to the engine. Most kits will help diesel engines begin performing close to their original results immediately.
3. The kit can lower the temperature of your engine. When the coolers or valve of the EGR system get clogged with soot, then the exhaust gases begin to circulate more often in the system. This blockage causes temperatures to rise around the engine. When you bypass this part of the design, then you can produce lower exhaust gas, levels, which promotes a lower engine coolant temperature during operation.

Contrastingly, a few of the cons are:

1. As the engine works its way up, the vent gases (exhaust gases) can see a rise in temperature. This is because these gases are no longer being cooled and returned back into the engine. Oil can also get dirtier quicker since more contaminants will be deposited due to gases that stay in the engine.
2. It doesn't prevent the EGR system from being stuck in an open position. If you bypass the system with an EGR delete, you can take advantage of the situation when you've got the coolers or valve clogged. When the system is stuck in an "open" position, which is another way EGRs can go bad, then the engine will still struggle to start for some users. You'll notice the vehicle struggling to stay engaged when you're idling with it too. If your vehicle works fine at highly speeds or high RPMs, but it struggles when you're sitting, then an EGR delete kit will not improve this situation.
3. Possibility of reduction in horsepower. The EGR delete kits are often thought about when using an older diesel engine. There are design issues with the previous generation of products that allowed a bypass to make more space for clean air in the combustion chamber. With better air, you would theoretically have a more efficient power source. Modern diesels can struggle to take advantage of this design change, which means you might have less horsepower with which to work instead of more when using this product.

Having said that though, the drawbacks can be eliminated through regularly scheduled maintenance. For example, choosing to install new oil coolers when having your EGR deleted will decrease the chances of it malfunctioning.

One of the most common questions we are always asked is, Is an EGR delete illegal in Alberta ? While there is no straight answer to this question, we can safely tell you that trucks with an EGR delete kit installed do not automatically fail a CVIP inspection. We are an authorized CVIP facility and we say this with certainty.

As far as the rules and regulations are laid out, the government does not want any modifications that do not meet the OEM specifications. Such modifications when done on a diesel truck are “illegal” and will definitely become a hindrance in your CVIP inspection. As of now, the government rules regarding such modifications do not prompt a CVIP failure though.

A few of the common EGR delete kits are:

1. Cummins EGR valve / cooler delete kit
2. LML Duramax EZ LYNK autoagent
3. Powerstroke EGR delete kit



Never perform installation of such aftermarket part assemblies on your own. You can really hurt yourself and cause your truck to become unsafe to drive. If you are thinking about an EGR delete kit for your diesel truck, call us and consult with our experts before you attempt to perform any repairs.

We have and continue to supply our customers with specific, regulated EGR delete kits and installation labor.

A little about me and my business

My name is Brandon Mendell. Owner, leader and diesel engine enthusiast at Brandell Diesel Inc. I take great pride in running, fixing and appreciating diesel engines. As a boy growing up on the farmlands on Southern Alberta with my father I developed a love for these machines and have carried on, on the path for the past 20+ years.

We proudly serve companies, fleets and individual owners of diesel engine vehicles and personally look to it that we do whatever it takes of save our customers any downtime. We are known all across the province of Alberta for our fast turn around times on diesel engine vehicle repairs and the rescue service we provide on the roads with our trucks.

Don't hesitate to call me at 403 271 0101 for repairs or consultation on your diesel engine vehicles.

I look forward to hearing from you my friend !!