

NOTE: The content in this document was already used for a client in my previous work.

Diesel Catalytic Converter

Diesel catalytic converter is the most common type of catalytic converter that used by many people. This is the upgrade version from the two-way catalytic converter, the first catalytic converter ever made. The two-way catalytic converter was not used anymore because it can't control nitrogen oxides. But in the case of diesel catalytic converter, it can control it well. This catalytic converter can control nitrogen oxide by injecting ammonia into the exhaust to change from nitrogen oxide to nitrogen gases. It needs a special system called SCR system to help ammonia injection.

The catalyst that used in the converter is oxygen. Oxygen will react with carbon monoxide, a gas produced from gasoline in the machine, to form carbon dioxide and release it in the air. Even though carbon dioxide is not a good gas, but it's non-toxic and less harm to the environment than carbon monoxide. There are many products of diesel catalytic converter in the market, and the range price starts from around \$70 until more than \$300. It depends on the design and the complexity of the system. The more complex the system, the better and faster to convert gases in the machine.