



FREQUENTLY ASKED QUESTIONS

Q: How does nitrous work?

A: Nitrous oxide is a gas that contains two parts nitrogen and one part oxygen. When the combustion process heats this gas, the oxygen is released. This extra oxygen then supports the combustion of the enrichment fuel the nitrous system adds when it is engaged. The additional fuel that is burned creates greater cylinder pressure, which makes the extra horsepower you feel.

Q: How much will a nitrous system improve my performance?

A: One to two second improvements in quarter mile times are typical. Traction limitations greatly affect the improvement seen.

Q: What is the difference between a “wet” nitrous kit and “dry” nitrous kit?

A: A wet nitrous kit mixes nitrous and enrichment fuel by means of an injector nozzle that is mounted before the throttle body. This mixture is then drawn into the engine through the throttle body and intake manifold. A “dry” nitrous kit injects only nitrous with its injector while at the same time it increases the engine’s fuel rail pressure to feed enrichment fuel through the engine’s own injectors.

Q: Will nitrous affect engine reliability?

A: As long as the nitrous system is installed per the instructions and the setup procedures are followed, there is usually not any increase in engine wear.

Q: How long does a bottle last?

A: It depends on the bottle capacity and the size of the nitrous shot being used. On the 75 horsepower setting, a 10lb. bottle will last around 10 quarter mile runs. On the 125 horsepower setting the bottle will last around 6 runs.

Q: What type of fuel is recommended when I use my nitrous system?

A: For 4-6 cylinder engines, premium pump gas is required for safe use of your nitrous system when jetted up to 75 horsepower. Above 75 horsepower, racing fuel is recommended for maximum engine safety. For 8 cylinder engines, premium pump gas is adequate for nitrous system settings up to 125 horsepower. Above 125 horsepower racing fuel is recommended.

Q: What is the optimum bottle pressure to run my nitrous system at?

A: The optimum nitrous bottle pressure is 900-1000 psi. ZEX™ offers a bottle pressure gauge (Part #82005) that makes it easy to monitor this.

Q: Do I have to change my spark plugs after installing the nitrous system?

A: YES, due to the increase in horsepower the nitrous system creates, the quantity of heat generated in the combustion chamber goes up. It is required that you install spark plugs that have at least a two-step colder heat range. This helps to ensure detonation free performance when using the nitrous system. ZEX™ has nitrous specific spark plugs available for many makes and models of vehicles.

Q: What is the safest way to activate a nitrous system?

A: The safest way to activate a nitrous system is by using a wide open throttle switch. All ZEX™ nitrous systems utilize this type of activation. Activating a nitrous system at anything less than wide open throttle can greatly increase your chances for an intake system backfire. If you desire to use a push button (Part #NS6534) for activation, ZEX™ offers this as an accessory item. You can simply install the push button in line with the wide open throttle switch.

Q: What is the minimum RPM I need before activating my nitrous system?

A: We recommend at least 2500 RPM as a minimum for nitrous system activation. This ensures you won’t have excessive pressures that cause engine damage.