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NX SAFE Tank Installation Instructions

The Stand Alone Fuel Enrichment (SAFE) tank holds 1 gallon of fuel. This is enough fuel to support two 15lb bottles when used with gasoline or one 15lb bottle when used with Methanol. (We recommend refilling the SAFE tank any time you refill your bottle). We also recommend keeping fresh fuel in the SAFE tank. (If in doubt, empty the tank and refill with fresh fuel).

Mounting the tank

The SAFE tank is designed to mount on a flat surface or in the factory battery tray of many vehicles. The SAFE System is shipped with the standard tapered mounting feet installed. If the feet do not secure the battery tightly into your battery tray, you can adjust the position of the feet. If the standard feet are too wide to fit into your battery tray, simply replace one of the standard feet with the alternate slim foot that is included with the SAFE System. Note: The SAFE tank features a 4AN threaded rollover vent connection. This fitting is sealed with a plastic cap to prevent debris from entering the tank during shipping. **This plastic cap must be removed before use!!!** We recommend running a 4AN line from the vent fitting to a location outside of the engine bay and away from the passenger compartment.

Wiring the system

We recommend wiring your nitrous system so that the SAFE systems fuel pump must be powered before the Nitrous system can operate. See the wiring diagram A for recommended wiring.

Setting fuel pressure

The internal pump version (part # 15004) includes an internally mounted fuel pump and an adjustable bypass regulator. Fuel pressure can be adjusted from 3 to 60 psi (installation of the included high pressure spring is required for fuel pressure settings over 20psi). To set the fuel pressure, power up the pump and turn the adjustment bolt on the regulator clockwise to increase fuel pressure and counter clockwise to lower fuel pressure. The regulator in part #15004 is boost referencing which makes it compatible with supercharged and turbocharged applications. If boosted, connect a vacuum line from your engine to the nipple on the fuel pressure regulator. When used with Gasoline, part # 15004 will support up to 700 nitrous horsepower.

The external pump version (part # 15003) includes an externally mounted fuel pump and an adjustable non-bypass regulator. Fuel pressure can be adjusted from 3 to 11 psi flowing fuel pressure. To set the fuel pressure, power up the pump and turn the adjustment bolt on the regulator clockwise to increase fuel pressure and counter clockwise to lower fuel pressure. With any non-bypass regulator, fuel pressure must be set while fuel is flowing through the regulator. When used with Gasoline, part # 15003 will support up to 600 nitrous horsepower.

SAFE Tank Wiring Diagram

