



NX SAFE Tank Installation Instructions *PN 15004, 15009 & 15010*

The Nitrous Express SAFE (Stand Alone Fuel Enrichment) systems improve the performance of any nitrous system. The SAFE systems include a high strength composite fuel cell that can be mounted in most factory battery trays without modification. When used with race gas or methanol, the need to retard timing is significantly reduced. Often on V8 engines using nitrous boosts of 150 horsepower and above, zero timing retard is required. The SAFE system reduces the need to upgrade OEM fuel pumps, and will completely eliminate pressure drop at the fuel rail in EFI vehicles. The SAFE Systems include an integrated fuel level gauge and versatile mounting hardware for a no hassle installation.

The SAFE System is designed to mount 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. We recommend wiring your nitrous system so that the SAFE tank must be activated before the Nitrous system will operate. See the attached diagram for recommended wiring.

The SAFE system holds 1 gallon of fuel. This is enough to support two 15 lb bottles when used with gasoline or one 15 lb 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).

Important notes about Jetting!!!!

Three versions of the SAFE system are available. See the section below that correspond to your part#:

The standard gasoline SAFE System (part # 15009) comes preassembled with one low pressure self regulating internally mounted fuel pump. This SAFE system is designed to run with gasoline and will support up to 300 nitrous horsepower. This system requires special jetting. The pump is capable of 10psi at small horsepower settings, however, as the fuel requirement rises, (larger jetting) the flowing fuel pressure is lower. Contact NX tech at 940-767-7694 for jetting recommendations.

The standard methanol SAFE System (part # 15010) comes preassembled with two low pressure self regulating internally mounted fuel pumps. This SAFE system is designed to run with methanol and will support up to 300 nitrous horsepower. This system requires special jetting. The pump is capable of 10psi at small horsepower settings, however, as the fuel requirement rises, (larger jetting) the flowing fuel pressure is lower. Contact NX tech at 940-767-7694 for jetting recommendations.

The adjustable version (part # 15004) comes preassembled with a high output internally mounted fuel pump and an adjustable external regulator making installation quick and simple. Fuel pressure can be adjusted from 3 to 60 psi (no special jetting is required). 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 this system 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, this system will support up to 800 nitrous horsepower. When used with Methanol, this pump will support will support up to 400 nitrous horsepower.

SAFE Tank Wiring Diagram

