

NITROUS OXIDE REGULATIONS

Updated 1st July 2021

Competitors are reminded of the dangers associated with the incorrect use of Nitrous Oxide. It is highly recommended that systems are sourced in complete form, from a recognised manufacturer.

The following safety rules apply for cars fitted with Nitrous at Perth Motorplex Off Street & Burnout Events;

Bottles and Mounting:

- Bottles must be mounted outside of the engine compartment. Any bottle located in the driver's compartment must be mounted with metal brackets secured to a structural point of the vehicle and a relief valve, vented outside the driver's compartment, to the atmosphere.
- Bottles must be upright or semi upright. Inverted bottles not permitted.
- Bottles must be equipped with on/off taps.
- Bottle shut-offs requiring special keys are not acceptable.
- Bottles used must be purpose built for use with nitrous oxide.
- Electric devices used for raising the temperature of nitrous oxide bottles must be produced for that purpose by an industry manufacturer and may not be modified in any way. All bottles must use two supporting brackets locked with supplied nut and bolt.

Nitrous Lines:

- Must be outside of driver's compartment, except where the bottle is mounted in the driver's compartment, in which case the line must be plumbed outside the compartment as near as possible to the bottle outlet.
- Where lines pass converter or flywheel area, they must be encased in 3.2mm (1/8 inch) minimum thickness steel tubing.
- High pressure rated hose of minimum 1500 psi is required, and a sintered bronze filter, fit for purpose, must be fitted in the gas supply line.

Switching:

Both solenoids must operate from a common switch and the system must be capable of being switched off by three means:

1. When the throttle is closed switch.
2. By a special arming switch that provides power to the solenoids.
3. Through the normal vehicle ignition switch.

Markers:

All vehicles using Nitrous Oxide must display special markers located on the outside of the vehicle, in the area where the supply bottle is located and in the top left corner of the front windscreen. The marker shall be a yellow diamond, with N₂O printed in black letters. These are available from ANDRA or you can make your own.



SPECIAL NOTE FOR ROAD REGISTERED VEHICLES ONLY:

PLEASE NOTE:

The Western Australian laws pertaining to Nitrous Oxide installations in road-registered street cars while driving on WA roads:

Nitrous oxide injection systems must not be fitted. This prohibition includes a partial installation or a disconnect able nitrous oxide system that is fitted to the vehicle ready for use.