

In Super Stock and Competition Eliminator classes, where Turbochargers are allowed the maximum size compressor wheel inducer is 88 mm (3.465 inch) for Twin Turbocharged applications and 106 mm (4.173 inch) for a single Turbocharger.

Turbocharger size will be enforced by measuring the opening in the intake housing at the point where the leading edge of the inducer wheel meets the inlet housing. The maximum diameter of the housing may not exceed 2.0 mm (.078 inch) more than the maximum permitted size.

All 4, 5, or 6 cylinder and Rotary engine vehicles quicker than 7.00 seconds (1/4 mile or equivalent) must fitted with ballistic containment on the compressor side of the Turbocharger.

4.7.4 NITROUS OXIDE

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 regulations apply;

Nitrous Oxide lines must be outside of driver's compartment, except where the bottle is mounted in the driver's compartment, in which case the lines must be plumbed outside the compartment as near as possible to the bottle outlet.

Where lines pass a torque converter or Flywheel, they must be encased in 3.0 mm (1/8 inch) minimum thickness Steel tubing.

High pressure rated hose of minimum 1500 psi is required for plumbing Nitrous Oxide lines, and a sintered bronze or Stainless Steel (Industry Standard) filter, fit for purpose, must be fitted in the gas supply line.

Bottle 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 should be mounted to manufacturer's specification.

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.

Electronic devices used for raising the temperature of Nitrous Oxide bottles must be used if produced for that purpose by an industry manufacturer, they may not be modified in any way.

Switching:

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

1. Throttle closed switch.
2. Solenoid power arming switch.
3. Vehicle ignition switch.

Markers:

All vehicles using Nitrous Oxide must display markers located on the outside of the vehicle, in the vicinity of the supply bottle 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.

Warning Light:

A prominent blue warning light must indicate when the system is armed. This light must be visible to the driver of the vehicle when in a racing position.