



## OFF-STREET DRAGS GUIDELINES

### Version 1.0 – 3/6/2024

#### **INTRODUCTION**

The Off-Street Drags events are primarily for drivers and riders who wish to complete with their 'Road Going' street vehicles and bikes.

#### **DRIVER/RIDER LICENSING REQUIREMENTS & SAFETY**

All drivers and riders must hold a valid full civil driver's licence (P's OK) for the type of vehicle used ie. car license is not suitable for motorcycles. Should the driver or rider be under 18 years of age the entry form must be signed by a parent or guardian and witnessed by a Dragway At The Bend official at each event. No L plate drivers or riders.

#### **DRIVERS/PASSENGERS:**

- Must have an appropriate ANDRA License or ANDRA Day License
- Long sleeve shirt or jacket. – No Nylon, No Holes - (including designer wear).
- Long pants – No holes - (including designer wear).
- Socks (above ankles) and Enclosed Shoes.
- All clothing must be of fire-resistant material as a minimum - no nylon.
- One-piece outer shell open or full-face helmet meeting AS/NZS 1698 or ECE 22.05 or better.
- German or Skull Cap style helmets with plastic side protection not permitted.
- One (1) Passenger is allowed with a minimum age of 16 years for both driver and passenger.

#### **RIDERS:**

- Must have an appropriate ANDRA License or ANDRA Day License
- Leather or purpose-made riding jacket with arm protection and back support or full racing leathers.
- Leather or Kevlar-equivalent pants.
- Leather Gloves – no holes.
- Boots (above ankles).
- **FULL FACE** Helmet meeting AS/NZS 1698:2006 or ECE 22.05 or better.
- Riders quicker than 9.50 seconds must have Full Leathers and an ANDRA (UDL) License.

#### **DRIVING STANDARDS**

- Please turn off the cars air conditioner as soon as you have passed through Scrutineering and leave off until you have finished racing.
- No water sprayers are to be used in any form.
- Driver is not permitted to use a mobile phone once directed to move under the tunnel.
- All competitors must always follow all speed signs and official's directions.
- Any burnouts outside of designated burnout areas box could result in eviction from the event.
- No across-the-start line burnouts are permitted by any vehicle.
- Drivers and passengers must wear all safety gear until they have exited the racing surface.

#### **RANDOM BREATH TESTING**

- Random breath testing is carried out for all drag racing and burnout competitors and passengers.
- Drivers & Passengers must record a reading of 0.000 at time of sign in.



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#### VEHICLE REGULATIONS

##### 1. ROAD GOING STREET VEHICLE

A Road Going Street Vehicle is defined as a car or motorcycle that is street registered or capable of being street registered. A car or motorcycle can compete even if it is unlicensed, as long as it complies with all other vehicle regulations and is deemed safe by Dragway At The Bend staff and officials.

##### 2. PERFORMANCE RESTRICTIONS – Cars & Bikes

- Unmodified Modern Cars (Cars with OEM four wheel disc brakes and functional OEM steering wheel airbag): 10.000 seconds 1/4 mile and slower,
- Other Unmodified Cars: 10.500 seconds 1/4 mile and slower,
- Modified Cars: 12.000 seconds 1/4 mile and slower,
- Unmodified Factory-built/ Production Motorcycle\*: 9.500 seconds 1/4 mile and slower,
- Other Motorcycles: 10.000 seconds 1/4 mile and slower,
- All Cars quicker than 10.00 sec. 1/4 mile (6.36 1/8 mile) must have full ANDRA License and ANDRA Tech Inspection
- No Full Chassis Cars or Bikes (unless advertised prior to the event)

##### 3. MECHANICAL AND BODY

- Automatics must have an operational neutral or park safety switch.
- No fluid leaks.
- Earlier model cars must have a radiator overflow catch tank.
- Battery must be secured with a clamp or bracket.
- Bonnets must be fitted.
- All vehicles must have at least one working taillight and headlight.
- Vehicles must be fit for purpose – Dragway At The Bend staff and officials will have final say on whether a vehicle is fit to race on track.

##### 4. MODIFICATIONS

- The body must not be modified beyond acceptable "street legal" limits
- The engine, transmission, brakes and suspension springs (no suspension lift kits permitted) may be modified provided they fit the "road-going" definition above. However this does not include major modifications such as "four-link" or ladder bar suspension conversions
- Examples of major modifications include any alteration to structural parts of the vehicle (e.g. floor pan alteration, firewall alteration)
- Venue management reserves the right to refuse entry to any vehicle deemed to be modified beyond a roadgoing street-registered capable car or motorcycle



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- No changes are to be made to the vehicle after it has been scrutineered. If changes are made, the vehicle must be represented to scrutineers for approval before competing.

#### 5. VEHICLE HEIGHTS

Minimum height in front of the front wheels is 3 inches (75mm).

#### 6. CRANKSHAFT CENTRELINE HEIGHT

If a vehicle's body has been lifted and its crankshaft centreline is height greater than 600mm (23.5 inches) the vehicle must not go quicker than 14.00 sec 1/4 mile (8.91 sec 1/8 mile).

For Factory Standard SUV/4x4/4x2 "high rider" vehicles the following crankshaft centreline heights apply;

- i. 915mm (36 inches) for 12.00 sec. 1/4 mile or slower (7.64 sec. 1/8 mile)
- ii. 785mm (31 inches) 10.00-11.99 sec. 1/4 mile (6.36-7.63 sec 1/8 mile)
- iii. 610mm (24 inches) 9.99 seconds 1/4 mile or quicker (6.36 sec. 1/8 mile)

NOTE: All measurements are to be made with racing pressure in the tyres

#### 7. EXHAUST

- The car must have a street-type exhaust and mufflers that run to the rear axle as a minimum and must be capable of staying within a 95dB noise limit
- A catalytic convertor by itself will be rejected
- Hot Dogs or any other resonator are not considered to be a muffler and will be rejected
- Cannon mufflers may be acceptable on some 4-cylinder or turbo vehicles providing they can stay within the 95dB limit. It is highly recommended that any V8 engine use full mufflers to meet the 95dB limit as cannon mufflers are highly likely to fail noise requirements
- It is the entrant's responsibility to ensure the vehicle will meet the noise requirements
- Noise monitoring may be conducted at off-street events
- Any vehicle that exceeds the noise limit will be excluded from the event.

#### 8. INTERIOR

- Cars must have complete interiors; that is: all seats, all door trims, all door handles operable, hood lining, etc.
- Seats and seatbelts must be in good supportive condition, all door handles operable, etc.
- **All loose items must be removed or placed in the boot.**

#### 9. WHEELS AND TYRES

- All wheel nuts must be used and secured tight. No hub caps or dress rims allowed. Wheel nuts must be of the type designed for the type of wheel used.
- Slicks are permitted; however, cars with conventional (Non-Radial) slicks must use non-radial tyres on the front. Cars with Radial rear tyres can use radial or conventional tyres on the front.
- Space saver type rims and tyres are prohibited.

#### 10. NITROUS OXIDE

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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.

## **11. Tow Vehicles**

- Tow vehicles are not permitted. All vehicles must be driven back to the pit/paddock area.



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**12. Exceptions to these Regulations**

Any request for an exception to these regulations must be made through Dragway at the Bend at least 36 hours prior to the event. If a request for an exception has not been received and approved by Dragway management prior to the event it will not be accepted or permitted once the event has commenced