

4. GENERAL REGULATIONS

- ◇ **NOTE: Any vehicles Found to have any illegal devices fitted whether active or not, will be disqualified and face Tribunal Action.**
- ◇ **NOTE: Except where permitted by Class Regulations, any competitor found to be employing reactive traction or slew rate control systems or devices by any means will be subject to a twelve (12) month suspension and a fine of \$15,000.**

4.1 DEFINITIONS

For the purpose of this publication and its application, the following definitions apply.

4WD

Four Wheel Drive, using all four wheels to drive the vehicle.

AWD

All Wheel Drive, using all four wheels to drive the vehicle.

FWD

Front Wheel Drive, using the front wheels to drive the vehicle.

RWD

Rear Wheel Drive, using the rear wheels to drive the vehicle.

Aerodynamic Aid

Any device or modification perceived as improving the airflow over or around a vehicle and having a positive impact on vehicle performance.

Aftermarket

Any product produced by any manufacturer other than OEM.

Air Box

Used primarily on Pro Stock Motorcycles, it settles "negative air" around carburetors the way a hood scoop does on a car.

Airfoil

An aerodynamic device or wing section mounted to the rear section of the vehicle that passes airflow above and below it. The same as a wing, a stabilizer generally used to create downforce, increases stability and tyre-to-track adherence at high speeds. A wing is not permanently fixed to the vehicle.

Axle/ Flanged

An OEM or aftermarket one-piece axle.

Axle/ Floating Hub

Is where the weight of the vehicle is borne by the hub, not the axle.

Axle/ Two-Piece

An aftermarket proprietary two-piece axle with positive flanged retention.

Baffle

A device used to direct sound in a particular direction.

Billet Cylinder Head

Any component that has been machined from a solid billet. The billet will have been rolled or forged, not cast. The billet is then machined into a component.

Breakout

Used only in handicap racing, "Breakout" refers to a competitor running quicker than their "dial-in" (i.e. ran a time quicker/ lower than their prediction). Unless the opponent commits a more serious foul (e.g., red-lights, crosses the centreline, or fails a post-race inspection), the driver who breaks out loses. If both competitors breakout, the one who runs closest to his or her dial is the winner.

Burnout

Spinning the rear tyres in water to heat and clean them prior to a run for better traction. A burnout precedes every run.

Butt Weld

The "butting" together of two pieces of material for welding, without external reinforcement, overlap or "sleeving".

Bye Run

A single or solo pass produced by uneven numbers in the elimination process.

Car

A four wheeled vehicle used to transport a person, powered by an internal combustion engine or electric motor, includes derivatives such as Sedans, Coupes, Utilities and Station Wagons etc.

Christmas Tree

Also called The Tree, it is the noticeable electronic starting device between the lanes on the starting line. It displays a calibrated-light countdown for each driver.

Chromoly or CroMo

Abbreviations for Chromium Molybdenum Steel (CM4130).

Clutch Can

The bell-shaped housing, or Bellhousing, used to encase the clutch and Flywheel.

Clutch Lockup

The progression of clutch-disc engagement controlled and/or activated by mechanical, electronic or pneumatic means. Refer Definitions, "Lock-up clutch".

Clutch Required

In relation to manual type transmissions using spur gears, means the use of the clutch is intended when shifts are made, and split selection sliders are not permitted.

Clutchless Gearbox

Any manual transmission for which the disengagement of a clutch is not intended when changing between ratios.

Computer

Any electrical and/or electronic device that activates or modifies any function of, or in any way effects the operation of the vehicle based on measurement, sensing, processing, etc., of any data related to the performance of the vehicle (a reactive device).

Deep Stage

To roll a few inches farther into the beams after staging, which causes the pre-Stage lights to go out. In that position, a driver is closer to the finish line but dangerously close to a foul start.

Diaper/ Nappy

An absorbent blanket made from ballistic material, often Kevlar, that surrounds the oil pan to contain oil and parts in case of an engine explosion; required for Top Fuel, Funny Car, Top Alcohol Dragster, and Top Alcohol Funny Car.

Diffusing

The altering of air flow relating to aerodynamic devices.

Elapsed Time (ET)

The time it takes a vehicle to travel a set distance from the starting line to the finish line. The timers are started when either the stage beams are cleared or the guard beam is broken, the timers are stopped when the competitor crosses the finish line.

Electrical Device

An electrical device does not have components it merely controls the flow of current by means of contact. (e.g. A switch).

Electronic Device

Electronic implies a form of circuitry which has components (resistors, transistors, integrated circuits, etc) which controls the flow of current through the device.

Eliminations

After Qualifying, vehicles race two at a time, resulting in one winner from each pair. Winners continue in tournament-style competition until one remains.

Foul Start

Indicated by a red light on the Christmas Tree when a car has left the starting line before the green light, or starting signal.

Gusset

External reinforcement to a weld or bolted joint.

Header/s

A fine-tuned exhaust system that routes exhaust from the engine; replaces conventional exhaust manifolds.

Hemi

A Hemi engine has a hemispherical shaped cylinder-head combustion chamber, like a ball cut in half.

Hydraulic

When a cylinder fills with too much fuel, thus prohibiting compression by the cylinder and causing a mechanical malfunction, usually an explosive one.

Index (National Class Index)

The expected performance for vehicles in a class as assigned by ANDRA. It allows various classes of vehicles in the same category to race together competitively. Class Index is determined by subtracting 0.50 second from the National Record ET.

Interval Timers

Part of a secondary timing system that records Elapsed Times, primarily for the racers' benefit, at 60, 330, 660, and 1,000 feet.

In the Hands of The Starter

The competitor has started the engine of the vehicle at the direction of The Starter and has moved past a point defined by the track in the relevant sup-regulations as placing him or her in the hands of The Starter.

Lock-up Clutch

A clutch with a separate event or function, activated by mechanical, electronic or pneumatic means, that generates additional clamping force to the pressure plate. Progressive unlimited application of counterweights is not considered a separate event/ function. Refer Definitions, "Clutch Lockup".

Mass Produced

A component of which at least 200 have been produced, and has been available generally. Onus of proof to the Classifier lies with the entrant. Where a conflict of opinion arises the ANDRA Board will determine the issue.

Mass Produced Factory

A vehicle, or component thereof, which was manufactured as part of general vehicle production or officially supplied or endorsed for sale to the general public by the vehicle manufacturer.

Methanol

Pure methyl alcohol produced by synthesis; used in Top Alcohol Dragsters and Top Alcohol Funny Cars to name a few.

Monocoque Construction

In relation to mass produced Unibody Sedans and their derivatives, means the floor pan of the vehicle from and including the front bulkhead/ firewall to the rear most point of the boot floor, including the rear bulkhead, inner wheel wells (wheel-tubs), roof, pillars and suspension mountings.

Motorcycle

A vehicle, with two wheels that are in-line with each other, used to carry a person powered by an internal combustion engine or electric motor.

Muffler

An effective commercially manufactured exhaust noise limiting device using Australian Design Rule 83/00 as a guide.

Multi Stage Clutch

A clutch with separate and/or staged events/ functions, activated by mechanical, electronic or pneumatic means during operation, providing varying clamping force to the pressure plate. Progressive, unlimited application of counterweights is not considered a separate event/ function.

Nitromethane

Produced specifically as a fuel for Drag Racing, it is the result of a chemical reaction between nitric acid and propane.

Non-Tunnel Ram

An intake manifold, where the outer runners enter the plenum at the plenum's end.

OEM

"Original Equipment Manufacturer", a producer of mass produced vehicles available to the general public. Components accepted as OEM include those available from the manufacturer's suppliers, where they were originally fitted on the production line, or by a factory dealer or agent.

OEM Planetary Transmission

Automotive type automatic transmission using original or aftermarket replacement case/ housing and torque converter.

Open Competition Car

A purpose-built competition car certified and complying with relevant Motorsport Australia regulations.

Open Driveline/ Open Driveshaft

A Tailshaft or Driveshaft providing a flexible connection between the clutch/ transmission output and rear end, or a fixed rear Driveshaft not fully enclosed by a structural housing or member. Does not apply to shafts driving front wheels.

Originally Available

A vehicle or part thereof assembled on the OEM production line and available to the general public as a factory option.

Power Adders

Can be in three different forms; belt or gear driven Supercharging, exhaust gas/ electric driven Turbocharging and Nitrous Oxide (N₂O). Each form of "Power Adder" is directly related to relevant, specific requirements including Class and General Regulations.

Pre-Stage

To position the front wheels about 7 inches (178 mm) behind the starting line so the small yellow lights atop that driver's side of the Christmas Tree are glowing. The next step is to stage and be ready to race.

Pro-Tree

Used in Group 1 classes which feature Heads Up competition, Supercharged Outlaws and Super Gas. All three large amber lights on the Christmas Tree flash simultaneously, followed 0.40 seconds (four tenths of a second) later by the green starting light.

Production Car/ Motorcycle

A production car or motorcycle of which 200 or more of the make and model have been produced and are or were available to the general public. The onus of proof to the Classifier lies with the entrant. Where a conflict of opinion arises the ANDRA Board will determine the issue.

Race

A competition between two vehicles on the racing surface, commencing at the start line and ending at the finish line. A race commences once The Starter has activated the Christmas Tree to initiate the start.

Reaction Time

The time it takes a driver to react to the green starting light on the Christmas Tree, measured in thousandths of a second. The reaction time counter begins when the last amber light flashes on the Tree and stops when the vehicle clears the stage beam.

Rear Deck

An aerodynamic device that is formed as a permanent extension to the rear of the vehicle. Airflow acts directly on the top surface which generates a downforce on the rear of the vehicle.

Removable Rollcage

A rollcage with a removable section or component.

Silencer

A device fixed to the exhaust of a motor vehicle to reduce the loudness of the exhaust noise.

Single/ Solo Run

Any run where only one vehicle has presented and staged under its own power.

Sixty-Foot Time

The time it takes a vehicle to cover the first 60 feet of the racetrack. It is the most accurate measure of the launch from the starting line and in most cases determines how quick the rest of the run will be.

Slider Clutch

A multi-disc clutch designed to slip until a predetermined rpm is reached; decreases shock load to the drive wheels.

Speed/s

In relation to multi ratio transmissions, refers to separate ratios. e.g. "five forward speeds".

Speed Trap

The final 66 feet to the finish line where speed is recorded.

Spill Plate

The end plate of a wing, usually mounted perpendicular to the spoiler surface.

Spoiler

An aerodynamic device mounted directly to the body surface of a vehicle such that air only passes over its upper surface. The same as a deck.

Stage

To position the front wheels right on the starting line so the small yellow lights below the pre-Stage lights are glowing. Once both competitors are staged, the calibrated countdown may begin. Refer Christmas Tree.

Start

In relation to a race, means the initiation of the start of the race by The Starter. Receiving the start will be interpreted as a racer being in Full Stage so that when they leave the start line, a red or green light will be activated on the Christmas Tree.

Streamlining

The contouring or reshaping of vehicle or body sections to improve airflow.

Supercharger/ Blower

An air compressor that increases the pressure or density of the air/ fuel mixture supplied to an internal combustion engine. A Supercharger is driven by the rotation of the engine via a belt drive or by gears.

Telemetry

The function of exchanging electronic signals/ data between a competitor's vehicles and a remote location.

Torque Converter

An oil driven fluid coupling between engine and transmission.

Traction Control Device

A traction-control device is any unit or system that uses live data to control functions of the vehicle, such as tyre slip, which are not controlled by the driver. These devices are, but not limited to; timing control based on wheel, driveline, or engine acceleration, braking control, throttle control, tyre-shake meters, vertical acceleration meters, misfire control, stutter box, relays, and/or rpm-activated chips.

Transmission

Denotes gearbox only. "Transmission" relates to gearbox only and does not include driveline, components - clutch, prop-shaft, differential, driveshaft or rear axle.

Tunnel Ram

An intake manifold, where the outer runners enter the plenum chamber at the chamber's sides. Every runner is of equal, or near equal length, and is orientated parallel, or near parallel, to the other runners.

Turbocharger

An exhaust gas driven compressor that increases the pressure or density of the air/ fuel mixture supplied to an internal combustion engine.

Unmodified Production Motorcycle

A motorcycle which is in OEM manufactured specification, excepting minor modifications. A standard swingarm for the model, forks, brake callipers and road legal tyres must be utilised and the original wheelbase of the motorcycle must be maintained. Alterations outside of this render the motorcycle ineligible as an Unmodified Production Motorcycle.

Unmodified Swingarm

Swingarm fitted to the motorcycle as OEM equipment. The addition of bolt-in or weld-in swingarm extensions will count as a modification. Swingarm must be OEM design for the declared model.

Water Jacket Cylinder Heads

Means a cylinder head capable of holding water. Cylinder heads where water jackets have been filled will be considered solid heads for classification and weightbreak purposes.

Wedge Cylinder Head

A cylinder head that, due to its design, creates a wedge shaped combustion chamber when viewed in cross-section.

Welded Rollcage

A rollcage with no removable sections or components. All points of attachment are welded to the vehicle.

Weight Transfer

Critical to traction. Vehicles are set up to provide a desired weight transfer to the rear wheels. Upon acceleration, the front wheels lift and the weight shifts to the rear wheels, which makes them less likely to spin.

Wheelie Bar/s

Used to prevent excessive front-wheel lift.

Modern Car, Unmodified Modern Car, Unmodified Car and Modified Car

In the 2022-2023 Rulebook ANDRA changed the definition of a "Modern Car". No longer does the "built after 01JAN2008 and with a compliance identification plate dated 01JAN2008 or later" apply.

In November 2022, the definitions required some further clarification, which is detailed below.

NOTE: In all cases "Cars" relate to Sedans and derivatives such as Coupes, Utilities and Station Wagons etc.

NOTE: For all scenarios there is no requirement for the vehicle to be street driven, be street registered and/or be street registrable.

NOTE: For all Unmodified Modern Cars, Unmodified Cars and/or Modified Cars - replacing floor panels and/or boot floor panels with like-for-like material, specification and thickness, (e.g. for rust repair etc.) is not considered and/or recognised as a modification.

Modern Car

Cars originally fitted with factory fitted OEM four-wheel disc brakes and with a retained (and functional) OEM steering wheel airbag.

Aftermarket four-wheel disc brakes as an upgrade from the standard OEM four-wheel disc brakes are permitted.

Unmodified Modern Car

As per "Modern Car" (above) that also has no modifications to either the floor, the boot floor, the rear wheelwells*, and/or the OEM standard fixed roof.

* Refer Definitions, Modified Wheelwells (rear only).

Unmodified Car

A Car (non-Modern Car) with no modifications to either the floor, the boot floor, the rear wheelwells*, and/or the OEM standard fixed roof.

* Refer Definitions, Modified Wheelwells (rear only).

Modified Car

Any Car with modifications to the floor, the boot floor, the rear wheelwells*, and/or the OEM standard fixed roof.

* Refer Definitions, Modified Wheelwells (rear only).

*Modified Wheelwells (rear only)

Where material has been added to the wheelwells and has changed the profile of the wheelwell, (e.g. mini-tubbing or tubbing to accommodate larger rear tyres).

Any changes to the chassis at the wheelwell location is recognised as a modification and is therefore classed as "modified wheelwells".

NOTE: The reshaping of existing OEM wheelwell material is not considered as a "modified wheelwell".

All queries relating to the information on this page must be directed to ANDRA Technical via email to technical@andra.com.au