

WA TIME ATTACK 2019

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Western Australia Time Attack

TECHNICAL REGULATIONS FOR STREET CLASS

WA Time Attack generally follows and uses the World Time Attack Technical Regulations. You will need to abide by the Regulations as they relate to each class of competition. However WA Time Attack has made minor modifications to these Regulations.

Version 2

2019-2020

TECHNICAL REGULATIONS – 2019

GENERAL REGULATIONS

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If you have any questions, please contact infiniteattack@gmail.com and allow up to 48 hours for a response.

The regulations of the Western Australia Time Attack (WATA) are designed to ensure the highest level of safety. Each driver and vehicle must comply with all written and oral directions of the event promoters and/or event officials. Failure to comply may result in immediate exclusion from the event, with no refund of entry fees.

1. PREAMBLE

1.1 Each vehicle must remain in compliance with all provisions of the regulations contained herein and relevant CAMS regulations at all times during the event. Vehicles may be checked for compliance at any time throughout the event, refusal to comply will result in a penalty up to exclusion in conjunction with the Stewards.

1.2 Any aspect relating to the construction, modification and/or preparation of each vehicle that is not specifically authorised in these regulations or the relevant CAMS regulations are not permitted.

2. VEHICLES

- a) Each vehicle must be a recognised model from a vehicle manufacturer (see definitions).
- b) A vehicle defined as an Open Wheel vehicle, Clubman, Kit Car or centre-steered vehicle are NOT permitted, as determined by the event promoter.
- c) Each vehicle must have only four (4) wheels with the steering acting on the front wheels only unless rear wheel steering is originally fitted, in which case the original system may remain.
- d) Each vehicle may only contain one conventional internal combustion engine.
- e) Each vehicle must comply with the WATA Safety Regulations.

3. COMPETITIONS

THE EVENT WILL INVOLVE THREE COMPETITIONS:

3.1 Street Class:

- a) Designed to be the entry-level class for WATA with modification restrictions and tyre limits.
- b) Professional drivers as determined by the event promoter are not permitted in Street Class.
- c) A Supercar as determined by the vehicle list within these regulations is not permitted.
- d) Each Driver must be nominated on the entry form and may not drive more than one vehicle within the Street Class.

3.2 Tuner Class:

- a) Further freedoms allowed beyond Street Class, whilst retaining some restrictions.
- b) Professional drivers as determined by the event promoter are not permitted in Tuner Class.
- c) A Supercar as determined by the vehicle list within these regulations is not permitted.
- d) Each Driver must be nominated on the entry form and may not drive more than two vehicles within the Tuner Class.

3.3 Racer Class:

- a) Additional freedoms are allowed beyond Street Class and Tuner Class.
- b) Each Driver must be nominated on the entry form and may not drive more than two vehicles within the Racer Class.

4. VEHICLE SIGNS

- a) Each compulsory event sponsor and event promoter decal, including numbers, as supplied by the event promoter must be placed on the vehicle as per instructions provided, by the event promoter. A vehicle found to be on track without each compulsory decal may be excluded from results.

5. GRANDFATHER CLAUSE

In certain and restricted circumstances the event promoter may allow a vehicle of significant competition history to compete. This will be at the sole discretion of the event promoter and any vehicle approved may be subject to a penalty as determined by the event promoter. This penalty may include the addition of weight over the minimum required, a tyre restriction or other penalty as determined and advised by the event promoter.

SAFETY REGULATIONS

1. DRIVER SAFETY APPAREL

1.1 As a minimum each driver is required to wear the following which must be presented for inspection at pre-event scrutiny:

- a) Helmet that comply with the requirements for a National Speed Event in accordance with Schedule D of the CAMS Manual. If using a Frontal Head Restraint (FHR), such as a HANS® device, then the helmet must be compliant for use of a FHR;
- b) Footwear, socks and gloves each complaint with FIA 8856-2000 standard.

2. APPAREL FOR WATA STREET CLASS

2.1 For WATA Street Class, according to Article 1 Driver Safety Apparel, as a minimum each driver shall be required to wear the following which must be presented for inspection at pre-event scrutiny:

- a) Non-flammable clothing extending from neck to wrist to ankles (apparel of nylon or similar material is forbidden).

2.2 The following is highly recommended for Street Class

- a) The use of a FHR device is highly recommended; and
- b) The use of apparel, such as a Race suit, of a higher standard.

3. VEHICLE SAFETY

Each vehicle must comply with Schedule A and B of the CAMS Manual as a minimum. The following is required for WATA Street Class:

- a) A minimum of (1) hand held fire extinguisher, with a minimum capacity of 1kg, compliant with Schedule H of CAMS Manual. It is HIGHLY RECOMMENDED to fit an on-board and plumbed in fire extinguisher system (fire bomb) of a minimum of 2.4 litre capacity and recommended to comply with the FIA requirements;
- b) A convertible type vehicle must be equipped with a hard top or roll cage that complies with CAMS regulations, and/or meets the approval of the Chief Scrutineer.
- c) A minimum of a (4) point Safety Harness in compliance with Schedule I of CAMS Manual is highly recommended.
NOTE: For FHR will require a (5) point Safety Harness as a minimum.
- d) A seat for the driver that is suited to the use and fitment of a Safety Harness. The use of a motor sport seat compliant with FIA standard 8855-1999 as a minimum, is highly recommended;
- e) A battery isolation (master) switch, which effectively isolates all electrical circuits from the battery and stops the engine, is highly recommended;
- f) Original brake lights fitted which must operate when brake is applied; and
- g) Be fitted with a minimum of two functional rear vision mirrors.

4. ROLLOVER PROTECTION

- a) Rollover protection is highly recommended for each Street Class vehicle.
- b) Each vehicle with a performance level, based on lap time quicker than a 63 second lap of Barbagallo Raceway must be fitted as a minimum with a CAMS Type 2 Safety Cage (Half Cage).

5. PRE EVENT SCRUTINY REQUIREMENTS

5.1 Each vehicle must present for scrutiny in a clean, tidy and ready to start condition. Scrutiny must be completed before the vehicle is permitted to take part in the competition or an on-track activity.

5.2 For vehicle that holds a CAMS Log Book must show the logbook at scrutiny.

5.3 Each vehicle will be fitted with a sticker confirming the vehicle has passed scrutineering.

5.4 The event promoter will be the sole judge of eligibility for each vehicle in each WATA class, in conjunction with the Chief Scrutineer.

5.5 The following details are the further requirements for each vehicle, in accordance with the CAMS Manual:

- a) Ensure all loose objects are removed from the vehicle.
- b) Have each battery firmly clamped and battery location identified by a blue triangle.
- c) Two separate fastening systems be fitted on any bonnet or other panel where the leading edge can be raised is highly recommended.
- d) Have a visible towing point, fitted forward of the front axle and rearward of the rear axle and capable of towing the vehicle on a sealed surface when the wheels locked. Where the tow

point is obscured, each tow point shall be marked with "TOW" of a contrasting colour marking the location of each tow point.

- e) Have fitted an adhesive cover to any forward facing glass components, save for the windscreen.
- f) Have the engine compartment sealed completely from the cockpit.
- g) Be constructed to minimize the entry of foreign matter into the driving compartment from the road or road wheels.
- h) Have any propeller shaft and/or universal joint, if passing through the cockpit, fitted in a fixed casing;
- i) Be fitted with a device or devices that shall protect any longitudinal propeller shaft from striking the ground in the event of a component failure;
- j) Have any driving chain effectively guarded;
- k) Have any container within the cockpit which can hold more than 500mL of hot liquid (other than a series heater core) enclosed in a sealed compartment isolating it from the cockpit;
- l) Fuel tank must be vented externally to the bodywork.
- m) Be fitted with a bulkhead constructed from a flame - and liquid-proof material. This bulkhead shall effectively seal the cockpit from any fuel tank, fuel system pumps/collectors or refuelling system. If the material is constructed from a polycarbonate material it shall be a minimum of 6mm thick;
- n) If fitted with any crankcase breather discharging to the atmosphere, each breather be vented into a catch tank of minimum capacity of two litres for engines up to a swept volume of 2000cc or three litres for over a swept volume of 2000cc;
- o) If fitted with any engine radiator coolant vent discharging to the atmosphere, each coolant vent be vented to a catch tank of a minimum capacity of one litre;
- p) The vehicle must retain each window and windscreen from that vehicle OEM. If tinted compliant with Australian Standards AS2080;
- q) If fitted with rigid brake pipes have such pipes made of steel bundy tubing or equivalent. The installation must be such to protect the pipes against vibration and damage;
- r) If fitted with any camera/video recorder attached to the vehicle it must be securely mounted and approved by the Chief Scrutineer. Suction cup mounts will not be permitted to be fitted to the external surfaces of the vehicle without the addition of a secondary tether secured to the vehicle;
- s) Be fitted with a return mechanism which, in the event of any throttle linkage failure, will close each throttle;
- t) Be fitted with a driver-operable reverse gear; and
- u) Be fitted with a steering wheel not incorporating any wood, unless such is the original component of the vehicle.
- v) Vehicle must be registered with street registration.

6. DURING EVENT SCRUTINY

Each vehicle may be required, at the request of a scrutineer to undergo any further check or inspection at any time during the event, and:

- a) Any vehicle found to be leaking oil or fluids when competing will be suspended from the event until Chief Scrutineer / Clerk of Course is satisfied that action has been taken to rectify the leak;

- b) Any vehicle involved in any track incident, including fluid leaks, component failure or any form of accident must have the vehicle checked and cleared by the Chief Scrutineer before it will be allowed to continue to complete in the event. Failure to do so may result in suspension from the event.
- c) Should there be a further reoccurrence of any on track incident whilst competing then that vehicle will be deemed in breach of the regulations and may be applied a further penalty that may include exclusion from the event.
- d) Each tyre for use must be marked and recorded for each vehicle before use in the WATA competition by the appointed tyre scrutineer.

PERMITTED VEHICLE MODIFICATIONS

Each vehicle must be presented as per OEM vehicle (see definitions below) apart from the freedoms allowed in these regulations.

Further Note:

A vehicle that does not meet the regulations, requirements or definitions listed will need to be considered on a case-by-case basis. If your vehicle does not have shock towers, frame rails, or any other items listed or you are unclear (for example a vehicle which came equipped with push rod suspension) you must submit your vehicle modifications for approval prior to the event. Any approval granted will be at the discretion of the event promoter.

1. BODY

- a) Alternative materials are permitted for the Front Bar, Bonnet, Side Skirts, Rear Bar and Boot provided they follow the same shape as the OEM part.
- b) Bonnet vents are allowed provided they do not change the shape of the bonnet.
- c) Alternative materials are permitted for front and rear flares.
- d) Wheel arch modifications of OEM fenders to allow fitment of the tyre are permitted.
- e) OEM fenders must be of original material however flare extensions are permitted to cover the tyre.
- f) Each wheel and tyre must be fitted so that the upper part of the tyre, down to the flange over the wheel hub centre must be within the perimeter of the automobile when viewed vertically from above, see Drawing 1.

Drawing 1:



- g) The remainder of the vehicle body must remain as per OEM.
- h) Headlight assembly must remain as per OEM and be fully operational.

2. CHASSIS

- a) Each vehicle must retain original firewall.
- b) No Modifications can be made to the firewall.
- c) Original shock absorber (i.e. Macpherson Strut) towers must be retained.
- d) No fully tubular construction or composite monocoques are permitted.
- e) No aftermarket sub frames are permitted.

3. MINIMUM VEHICLE WEIGHTS

Minimum weight will be deemed to include all liquid tanks at normal levels and with a maximum of 5 litres of fuel. All weights are without driver. All vehicle weights must be based on a "production vehicle status" and not a "factory special" with a minimum of 500 of the vehicle produced worldwide. Minimum weights for vehicles are detailed in Appendix A - Vehicle Weights Table.

Minimum weight for Street Class will be determined by the manufacturer's original specifications for the lightest version of that particular model of vehicle, minus 5%. E.g. Mitsubishi Lancer Evo 9 not merely Mitsubishi Lancer. Vehicles with original weight exceeding 1500kg will not apply the 5% rule but will have a minimum allowed competition weight of 1425kg. Naturally aspirated vehicles are permitted an additional 10% decrease to the minimum weight.

4. AERODYNAMIC AIDS

4.1 Strength and method of aero component fastening will be checked thoroughly at scrutineering and if found to be unsuitable the vehicle will not be permitted to start until improvements are made to meet approval of the Chief Scrutineer.

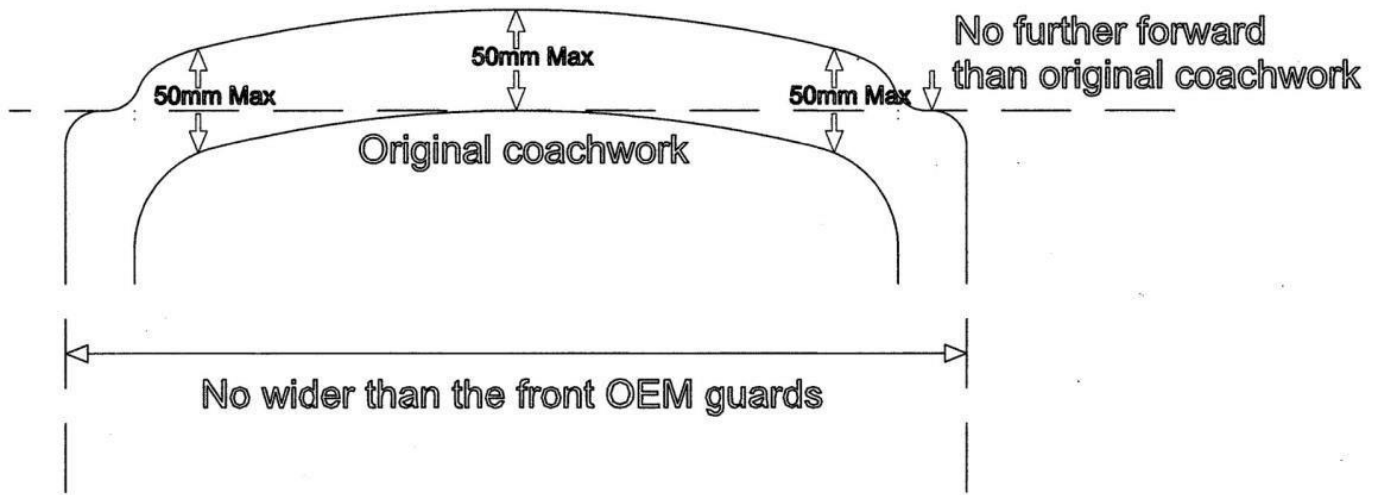
4.2 Active aero including any hydraulically or electronically actuated or movable components are not permitted in any class.

4.3 All measurements have a tolerance of +/-3mm to allow for inaccuracy of hand measurement and thermal expansion.

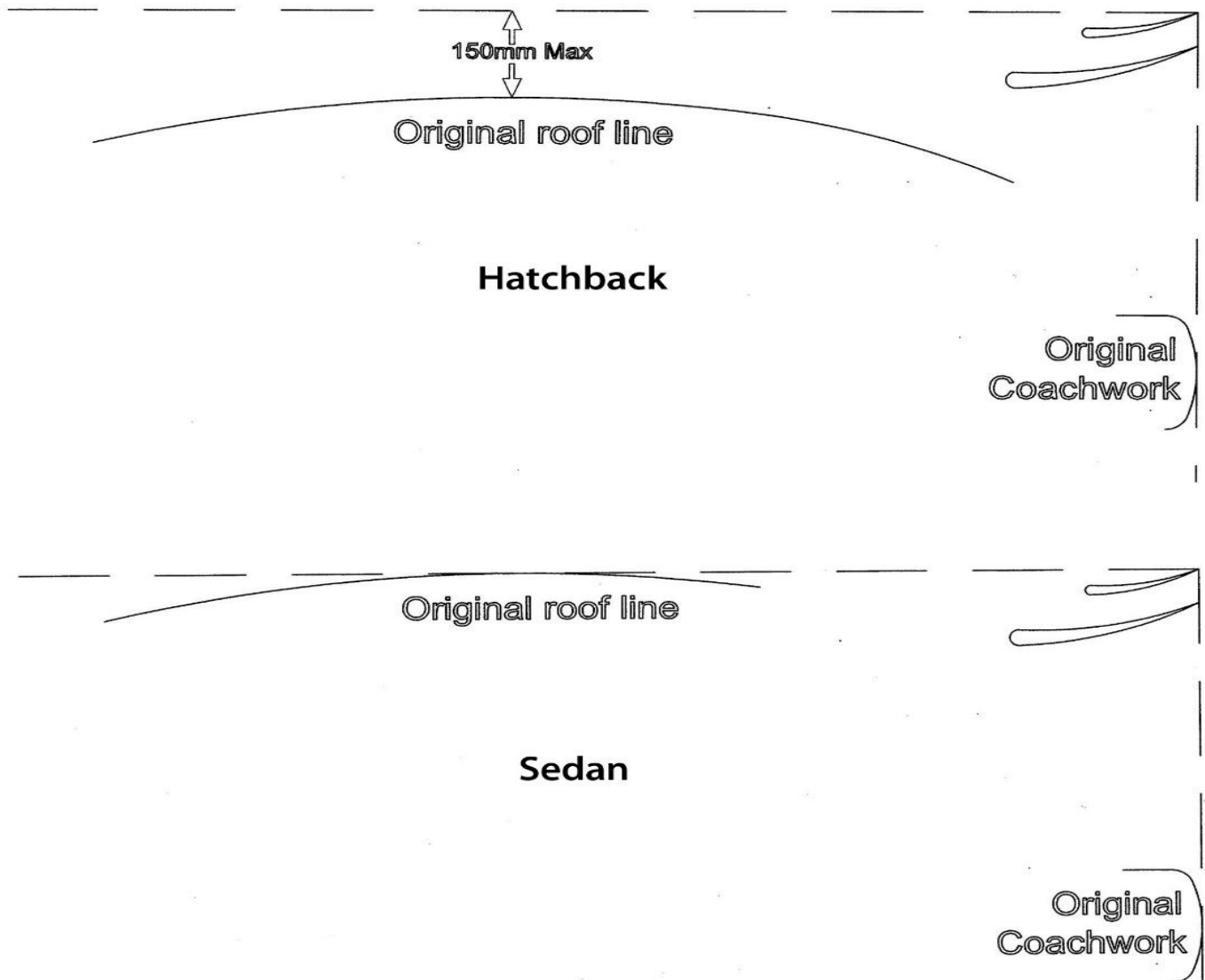
4.4 The following is permitted for Street Class:

- (a) A Front under tray/splitter which must follow completely the outline of the OEM front bar and may extend 50mm ahead of the vehicle OEM bodywork, no further rearward than the front axle and no wider than the original front guards, see Drawing 2.
- (b) Front canards/winglets are permitted but must not extend wider than 50mm beyond the OEM bodywork.
- (c) An OEM rear wing or an aftermarket rear wing with up to two separate elements may be used in an unmodified form. The width of the wing must not exceed the widest part of the body. Only one aftermarket wing per vehicle is permitted.
- (d) The rear wing must be fitted as such to be over the body or boot in plan view. No portion of the wing can be higher than a horizontal line from the highest point of the roof sheet metal except in the case of a hatchback where the wing can be no higher than 150mm from the highest point of the wing to the roofline and must be on the rear portion of the roof.
- (e) No part of the rear wing may not extend any further rearwards than the most rearward point of the rear bumper, see Drawing 3.
- (f) Rear diffuser/ under tray not permitted.
- (g) Aftermarket side mirrors are permitted.
- (h) Side skirts may not extend inboard more than 250mm under the vehicle, see Drawing 4.

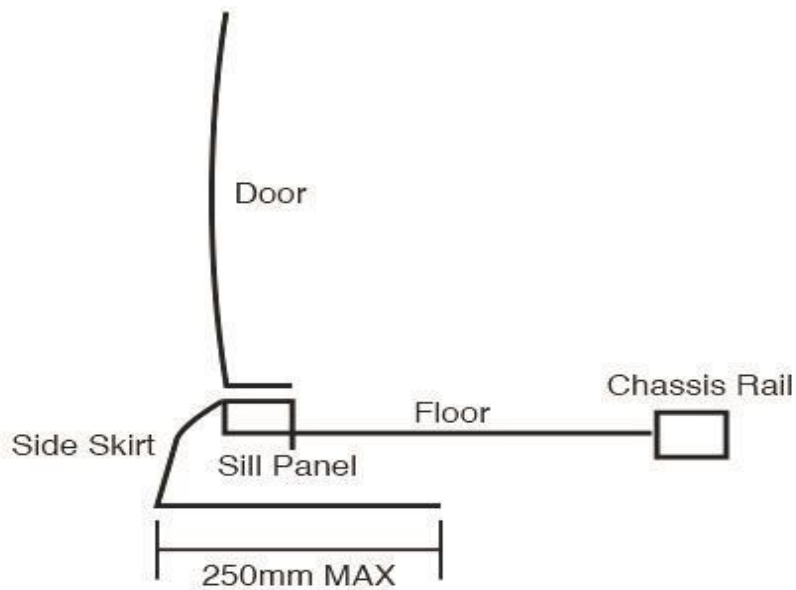
Drawing 2:



Drawing 3:



Drawing 4:



5. ENGINE

5.1 Fuel used for the vehicle must be Commercial Fuel, E85 or Unleaded Racing Fuel in accordance with Schedule G of the CAMS Manual.

5.2 Engine changes during the event are permitted subject to the approval of the Chief Scrutineer.

5.3 For Street Class:

- (a) Engine modifications are limited. The vehicle must retain an engine from that vehicle OEM and that has the same number of cylinders or in the case of a rotary engine, rotors must remain as per the original.
- (b) A maximum increase in capacity of 10% above the original capacity of the engine is permitted only for naturally aspirated vehicles only.
- (c) The crankshaft and connecting rods are free, save that there is no increase in engine capacity for turbo vehicles. Crankshaft torsion dampers are free.
- (d) Pistons and piston rings are free or, where applicable, the rotors and seals of rotary engines are free.
- (e) Camshaft timing and lift and valve train components are free.
- (f) Modifications to rotary engine housings and end plates may be effected only by the removal of metal. Rotary engines may be modified by the utilisation of the porting technique/s other than "Peripheral" porting.
- (g) The ignition system is free.
- (h) The cylinder head must be the original or mechanically identical to the original and may be modified only by the removal of metal, addition of material, and valve size save that the original number of valves and method of operation (e.g. push rod, single overhead camshaft etc.) must be retained.
- (i) For naturally aspirated vehicles the complete induction system is free. Additional air ducting, which does not involve the modification of the bodywork, is permitted. Turbochargers or superchargers may not be added. If fitted as original equipment the turbo and waste gate or supercharger may be replaced by another from the same period, fitted in the same positions as the original part.
- (j) The sump may be modified to increase capacity. Internal baffling may be added.

- (k) The oil filter element/cartridges is free, providing the element/cartridge fits without modification. The oil filter may be relocated and be remotely mounted within the engine bay. It is permitted to fit oil lines and adaptors in order to do so, providing these items attach to the original engine oil filter mount without requiring its modification. The oil filter and related fittings shall not perform any function other than filtering the oil.

6. COOLING SYSTEM

- a) Each cooling system hose and clamping system may be replaced with an alternate hose, pipe and/or clamping system.
- b) The engine coolant radiator may be replaced with an alternate radiator of free design and size. A replacement radiator shall be fitted in the same location and plane as the original. It is not permitted to modify the original radiator support panels, or radiator support structures for the fitment of the replacement radiator, the addition of fasteners and for the passage of radiator pipe work and/or hoses only within the location of the pipework and/or hoses. Engine coolant radiator fan is free.
- c) A turbocharger/supercharger intercooler may be replaced or fitted of free design. Each intercooler must be fitted within the vehicles OEM bodywork. It is permitted to modify the bodywork only for the addition of fasteners and for the passage of intercooler pipe work and/or hoses only within the location of the pipework and/or hoses.
- d) It is permitted to add an oil cooler for the engine, and/or transmission/differential and/or a power steering fluid cooler. The location of an oil cooler is free provided each oil cooler is fitted within the original bodywork. It is permitted to modify the bodywork only for the addition of fasteners and for the passage of oil cooler pipe work and/or hoses only within the location of the oil cooler pipework and/or hoses.
- e) Additional ducting for cooling systems may be fitted provided no modification is undertaken to the original bodywork, save for the addition of fasteners for duct mounting. Any additional ducting must be contained within the bodywork.

7. FUEL SYSTEM

7.1 All fuel systems must comply with all safety regulations required in these regulations.

- a) Fuel pumps, fuel regulators and fuel lines are free.
- b) One additional tank may be installed with a maximum capacity of 5 litres.
- c) Fuel tank foam and internal baffling of fuel tank permitted.

8. ELECTRICAL SYSTEM

- a) Replacement Engine Control Modules permitted.
- a) Modification of the OEM wiring harness permitted.

9. EXHAUST

9.1 The complete exhaust system for Street Class may be modified or replaced in accordance with the following:

- a) Vehicle must comply with 95db @ 30m noise restrictions.
- b) The exhaust must exit within 100mm of the original location and shall not protrude more than 100mm beyond the rear most portion of the bodywork.

10. TRANSMISSION, DIFFERENTIAL AND DRIVELINE

- a) Clutches and flywheel are free.
- b) Gearbox and differential may not be replaced by another of free design.

- c) Internal components of transmission and differential are free.
- d) The bell housing may not be replaced by another of free design.
- e) Automatic transmissions if provided as an option by the OEM for that model are permitted.
- f) OEM mounting points for the Transmission and Differential must be used.
- g) Sequential change systems are not permitted unless originally fitted by the OEM to that model of vehicle.

11. SUSPENSION

11.1 Each measurement will have a tolerance of +/-3mm to allow for inaccuracy of hand measurement and thermal expansion.

11.2 Minimum ride height for Street Class is 100mm: Each fully sprung part of the vehicle, except for the exhaust system, must be at least the specified height above the ground when measured at any point within the wheelbase. The vehicle ride height will be measured without the driver and tyre pressures at a minimum of 20psi.

11.3 For Street Class:

- a) Each spring and damper/shock absorber may be replaced however the number of each component per vehicle must remain as OEM.
- b) Each suspension bush is free.
- c) OEM mounting points of the suspension may be reinforced and altered in design but not in location.
- d) Each sway bar is free.
- e) Each vehicle must use OEM chassis mounting points and uprights but suspension geometry and arms are free.
- f) OEM hubs/uprights must be retained on the vehicle but can be from a different model of the same make of vehicle (i.e. any Honda for a Honda or any Subaru for a Subaru etc.).
- g) Aftermarket suspension sub frames are not allowed.

12. BRAKES

12.1 With the exception of computer controlled diagonal or transverse braking systems, which are not permitted in any class unless originally fitted, the complete braking system is free except for:

- a) Original mounting points must be used.

13. TYRES

13.1 Tyre restrictions will apply to all competition classes as follows:

- a) Each tyre must be marked by the organisers at scrutineering.
- b) The use of any tyre softening chemical or treatment on tyres is strictly prohibited and will result in immediate exclusion from the event.
- c) Random tyre checking will be conducted throughout the event; failure to comply will result in a penalty up to exclusion.
- d) Tyre sizes are defined by width(mm)/aspect ratio(profile)/diameter(inch).

13.2 Tyres for Street Class:

- (a) Must use minimum tread wear of 140.
- (b) A maximum of 8 tyres may be used throughout the event.

- (c) Each tyre on a four (4) wheel drive vehicle must be no wider than 265 unless specified larger by the OEM for that particular vehicle in which case the tyre must match the OEM size specification.
- (d) Each tyre on a two (2) wheel drive vehicle must be no wider than 295 unless specified larger by the OEM in which case the tyre must match the OEM specification.
- (e) If the tyre is not available in the size range, then the vehicle must use the OEM specification tyre or a similar tyre deemed appropriate which must be checked and approved by the organisers prior to competing.
- (f) Tyres must be marked legal for road use as indicated by the presence of either DOT or ECE markings.
- (g) Any tyres marked “not for highway use”, “for racing use only” or similar are not permitted.
- (h) Lower aspect ratios are not permitted unless specified by the manufacturer as standard, in which case that profile is the minimum permitted.
- (i) Tyres that are not marked with a percentage aspect ratio by the manufacturer during the manufacturing process are not permitted, except where the tyre has an aspect ratio greater than 70. Note: The tyre market is in a constant state of development and that continual monitoring will be required in relation to availability, which may result in ongoing amendment to this regulation.
- (j) Tyres must be fitted in accordance with the tyre manufacturer’s published specification. The fitment of tyres to rims, which are either too narrow or too wide for the tyre in question, shall result in exclusion/disqualification from the event at minimum.
- (k) All tyres must have a minimum tread depth of 3 mm at any point on the tread normally in contact with the road other than at tread depth indicators.
- (l) It is the responsibility of the competitor to ensure that tyres remain in conformance with any civil regulations during liaison stages.
- (m) In all cases, the correctly inflated tyre shall not foul the body, suspension or steering at any point in full movement of these components.

13.3 Tyre Size Restriction for Ultra-Light Vehicles:

- (a) An Ultra-light vehicle is a vehicle that in modified format, as per Appendix A for vehicle class weights, has a competition weight of less than 1001kg for 4WD vehicles, 901kg for RWD vehicles and 801kg for FWD vehicles.
- (b) Any vehicle falling into these categories the following tyre size restrictions will apply:

4WD (tyre width in mm)	RWD (tyre width in mm)	FWD (tyre width in mm)
<750Kg = 205 tyre	<700Kg = 205 tyre	< 700Kg = 225 tyre
751Kg-800Kg = 225 tyre	701Kg-750Kg = 225 tyre	701Kg-750Kg = 255 tyre
801Kg-950Kg = 255 tyre	751Kg-800Kg = 255 tyre	751Kg-800Kg = 265 tyre
951kg-1000kg = 265 tyre	801kg-900kg = 265 tyre	>801Kg = 295 tyre
>1001kg = 295 tyre	>901Kg = 295 tyre	

14. WHEELS

- (a) Wheels may be manufactured only from aluminium alloy, steel or magnesium.
- (b) Wheel diameters may be varied by a maximum of ± 2 ”, and the width by up to 2” from the standard (not optional) dimensions.
- (c) Notwithstanding, the maximum wheel diameter is 18” unless larger is specified by the manufacturer as standard fitment, in which case that diameter is the maximum permitted.
- (d) A maximum of one metallic spacer may be used behind each wheel. Wheel stud length must be taken into consideration when fitting spacer.
- (e) Maximum spacer size is 25mm per wheel.

15. INTERIOR

- (a) Save for modifications required to comply with safety requirements, the optional removal of floor carpets, the interior must remain unchanged.
- (b) Local modification to the interior for fitment of a roll cage is allowed.
- (c) Complete original dash must be retained; additional switches and gauges may be added.
- (d) Heater core, air conditioning and related components that are not visible on the dash may be removed.
- (e) Original door trims must be retained.
- (f) Replacement instrument cluster is permitted.
- (g) Removable steering wheels are permitted if the vehicle is fitted with a roll cage as a safety precaution with regard to entry and exit access.
- (h) The rear seat in any vehicle may be removed only if required in order to permit the fitment of rollover protection and/or spare wheels.
- (i) The luggage compartment cover in hatchback design vehicle may be removed.

16. VEHICLE SUPERCAR LIST (INELIGIBLE FOR STREET CLASS):

- Audi R8
- Ferrari – All
- Lamborghini – All
- Nissan GTR (R35)
- Porsche – All except 924/944
- Chevrolet C6 Zo6, ZR1 Corvette
- Dodge Viper
- Aston Martin – All
- Mercedes SLS or any Black series
- McLaren – All
- Lexus LFA
- TVR – All
- Ford GT

17. DEFINITIONS

- (a) Alternative Materials - Materials of suitable and acceptable strength and construction for use in motor vehicle parts and panels.
- (b) Body work - Refers to the exterior body of a motor vehicle as the entirely suspended part of the motor vehicle licked by the airstream.
- (c) CAMS - Confederation of Australian Motor Sport.
- (d) CAMS Manual - 2017 CAMS Manual of Motor Sport.
- (e) Chassis Rail – Box section part of the vehicle floor structure that extends from the front of the vehicle to rear section.
- (f) Dashboard - A dashboard (also called dash, instrument panel, or fascia) is a control panel placed in front of the driver in a vehicle, housing instrumentation and controls for operation of the vehicle.
- (g) Drive Types:
 - (i) 4WD: Four wheel drive, includes all wheel drive, any vehicle that has drive to both the front and rear wheels.
 - (ii) RWD: Rear wheel drive, any vehicle with drive only to the rear wheels.
 - (iii) FWD: Front wheel drive, any vehicle with drive only to the front wheels.
- (h) Engine Control Module – Any electronic device that controls engine operation.

- (i) Firewall - A firewall is a fireproof barrier that separates the engine from the driver and passengers.
- (j) Frame Rails - Two primary boxed sections running fore to aft on the vehicle.
- (k) OEM - Original Equipment Manufacture - is the original manufacture of the vehicle and/or any component, which is the one, originally fitted when manufactured.
- (l) Recognised Model - A model, which the organisers, at their sole discretion, recognise as a model of vehicle produced by a manufacturer to a given specification.
- (m) Standard Specification - As originally supplied from the manufacturer, including allowable production tolerances.
- (n) Shock Towers - The original manufacturer upper mounting points for the suspension shock absorber (i.e. Macpherson Strut).
- (o) Sub Frame - A structural component of a vehicle that uses an additional separate structure to carry certain components, such as the engine, drivetrain, or suspension. The sub frame is bolted to the original integral monocoque, chassis or frame rails of the vehicle and may be equipped with rubber bushings to dampen vibration.
- (p) Suspension Pick-Up Point - A bracket, lug or similar mechanical component attached to, or integral with, the fully sprung part of a vehicle, to which is attached a partially unsprung suspension component, and about which such suspension component moves through an arc or solid angle consequential to normal suspension travel.
- (q) Suspension Upright and Hub:
 - (i) Upright – the component that carries the hub and is connected directly to the suspension/steering control arms. The upright may carry brake components or other components as necessary.
 - (ii) Hub – the component which directly attaches to the wheel and is carried by the upright, via a bearing assembly. The hub, and bearing/s, may be integral to the upright or fixed to the upright and may carry the drive to the wheel.
- (r) Vehicle - A land vehicle propelled by its own means, running on at least four wheels not aligned, which are designed to be in contact with the ground. The steering must be controlled by at least two of the wheels, and the propulsion by at least two of the wheels.
- (s) WATA – Western Australia Time Attack.

Appendix A

Make	Model	Weight	Street	Tuner	Racer
Audi	A3	1395	1325	1256	1186
	R8	1525	1525	1425	1275
	TT RS	1260	1197	1134	1071
BMW	E36	1460	1387	1314	1241
	Corvette C5				
Chevrolet	Z06	1413	1342	1272	1201
Daihatsu	Charade	740	703	666	629
Falcon	AU	1437	1365	1293	1221
Holden	Astra	1120	1064	1008	952
	VE				
	Commodore	1770	1682	1593	1505
	VL				
Honda	Commodore	1250	1188	1125	1063
	Civic EG Hatch	925	879	833	786
	Civic EG Sedan	1130	1074	1017	961
	Civic EK	1045	993	941	888
	Civic EP3	1246	1184	1121	1059
	CRX	886	842	797	753
	DC2	1087	1033	978	924
	DC5R	1180	1121	1062	1003
	NSX	1274	1210	1147	1083
	S2000	1250	1188	1125	1063
	Lexus	ISF	1735	1648	1562
Lotus	Exige	914	868	823	777
	Elise	860	817	774	731
Mazda	FB/SA RX7	1000	950	900	850
	FC RX7	1190	1131	1071	1012
	FD RX7	1150	1093	1035	978
	NA MX5	940	893	846	799
	NB MX5	1065	1012	959	905
	NC MX5	1110	1055	999	944
	RX8	1309	1244	1178	1113
Mercedes	C63	1779	1700	1425	1275
Mitsubishi	Colt	1074	1020	967	913
	Eclipse	1305	1240	1175	1109
	Evo 5	1260	1197	1134	1071
	Evo 6	1260	1197	1134	1071
	Evo 6.5	1260	1197	1134	1071
	Evo 7	1320	1254	1188	1122
	Evo 8	1320	1254	1188	1122
	Evo 9	1310	1245	1179	1114
Nissan	Evo X	1420	1349	1278	1207
	180SX	1225	1164	1103	1041
	240Z	1068	1015	961	908
	260Z	1111	1055	1000	944
	350Z	1446	1374	1301	1229
	370Z	1466	1393	1319	1246

	Bluebird	1070	1017	963	910
	R31 Skyline	1310	1245	1179	1114
	R32 GTR	1430	1359	1287	1216
	R33 GTR	1540	1463	1386	1309
	R33 GTST	1390	1321	1251	1182
	R34 GTR	1536	1459	1382	1306
	R35 GTR	1740	1650	1425	1275
	S13 Silvia	1224	1163	1102	1040
	S14 Silvia	1253	1190	1128	1065
	S15 Silvia	1253	1190	1128	1065
Porsche	944	1180	1121	1062	1003
Subaru	BRZ	1190	1131	1071	1012
	WRX GC8	1240	1178	1116	1054
	WRX GD	1310	1245	1179	1114
	WRX GE	1394	1324	1255	1185
Suzuki	Swift	970	922	873	825
Toyota	FT86	1190	1131	1071	1012
	MRS	996	946	896	847
	Supra	1460	1387	1314	1241
VW	Golf	1395	1325	1256	1186