



Aus Time Attack generally uses and follows the World Time Attack Technical Regulations.

You will need to abide by the Regulations as they relate to each class of competition. However, Aus Time Attack has made some minor modifications to these Regulations.

- No driver classifications;
- Five (5) classes of competition: ATA Prodsprint, ATA Clubsprint, ATA Open, ATA ProClass and Supercar class.
- Classes relate solely to levels of car modification.
- No stipulations on the use of tyre brands.

## **World Time Attack Challenge as amended by Aus Time Attack\***

TECHNICAL REGULATIONS FOR ATA PRODSPRINT

\*26th May 2021 - Aus Time Attack Amendments

# TECHNICAL REGULATIONS

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## GENERAL REGULATIONS

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The regulations of the Aus Time Attack Event (ATA) 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

Each vehicle must remain in compliance with all provisions of the regulations contained herein and relevant

1.1 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 regulations is 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, save for a Pro Class vehicle which may be fitted with a KERS or electric power type device.
- (e) Each vehicle must comply with the WTAC Safety Regulations.

### 3. COMPETITIONS

**THE EVENT WILL COMPRISE 5 COMPETITIONS:**

#### 3.1 ATA Prodsprint:

- (a) Designed to be an entry level class for Aus Time Attack with limited modifications allowed.
- (b) This class is for road registered cars only
- (c) Each Driver must be nominated on the entry form and may not drive more than one vehicle within the ATA Prodsprint class.

#### 3.2 ATA Clubsprint:

- (a) Further freedoms allowed beyond ATA Prodsprint whilst retaining some restrictions..
- (b) A Supercar as determined by the vehicle list within these regulations is not permitted without prior approval.

- (c) Each Driver must be nominated on the entry form and may not drive more than one vehicle within the ATA Clubsprint class.

### **3.3 ATA Open:**

- (a) Further freedoms allowed beyond ATA Clubsprint, whilst retaining some restrictions.
- (b) Each Driver must be nominated on the entry form and may not drive more than two vehicles within the ATA Open class.

### **3.4 ATA Pro:**

- (a) The highest level of Aus Time Attack racing for professional teams. Additional freedoms are allowed beyond ATA Open Class.
- (b) ATA Pro is only by invitation, by application to the event promoter. Invitations will be at the sole discretion of the event promoter.
- (c) Each Driver must be nominated on the entry form and may not drive more than two vehicles within the ATA Pro class.

### **3.5 ATA Supercar**

- (a) This category is for road registered supercars, kits cars and replicas that would be ineligible for Clubsprint and Open class regulations.
- (b) Vehicles must comply with ATA Clubsprint Class safety regulations & permitted vehicle modifications with the following exceptions.
- (c) Semi Slick tyres permitted

## **4. VEHICLE SIGNS**

- (a) Each compulsory event sponsor and event promotor 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 under the previous regulations. 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) a Helmet complying with AS1698 or higher as detailed in section G5.6(a) of the AASA NCRs. If using a Frontal Head Restraint (FHR), then the helmet must be compliant for use of a FHR;
- (b) footwear, socks and gloves each complaint with SFI 3.3; and
- (c) in an open car, goggles or a visor with a lens material other than glass to a minimum of AS1609-1981 standard are mandatory.

## **2. APPAREL FOR ATA PRODSPRINT**

**2.1 For ATA Prodsprint, in addition 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).

**2.1 The following is highly recommended for ATA Prodsprint:**

- (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, as a minimum, with sections G5.3, 5.4 & 5.5 and section G7 of the AASA NCRs. The following is also required for ATA Prodprint:**

- (a) a minimum of one (1) hand held fire extinguisher complying with AS 1841 (except AS1841.2) or higher, with a minimum capacity of 900g.;
- (b) a convertible type vehicle must be equipped with a hard top or a roll cage that complies with AASA Safety Cage regulations, and/or meets the approval of the Chief Scrutineer;
- (c) a minimum of a standard OEM seat or four (4) point Safety Harness in compliance with SFI16.1;  
**NOTE:** If using a FHR the minimum requirement is a 5 point Safety Harness.
- (d) If using a Safety Harness, 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 SFI 39.2, 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 the brake is applied; and (g) be fitted with a minimum of two functional rear vision mirrors.

## **4. ROLLOVER PROTECTION**

- (a) Rollover protection is not required but a half roll cage is recommended for ATA Prodsprint.

## **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 shall be permitted to take part in the competition or an on-track activity.**

**5.2 Each vehicle that holds a AASA Vehicle Passport or a Log Book must present the passport at scrutiny.**

**5.3 Following Scrutiny each vehicle will be fitted with a sticker confirming that the vehicle has passed scrutineering prior to it being able to compete.**

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

**5.5 The following details further requirements for each vehicle:**

- (a) ensure all loose objects are removed from the vehicle;
- (b) have each battery firmly clamped and the battery location identified by a blue triangle;
- (c) be fitted with two separate fastening systems on any bonnet or other panel where the leading edge can be raised;
- (d) be fitted with a visible towing point (capable of accepting a 40mm OD cylindrical test object) fitted forward of the front axle and rearward of the rear axle and capable of towing the automobile on a sealed surface with its wheels locked. Where a tow point is obscured, each tow point shall be marked with the word "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) have each fuel tank 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) each window or windscreen fitted made from a material which is clear or, 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.

## 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 whilst competing will be suspended from the event until the Chief Scrutineer / Clerk of the Course is satisfied that action has been taken to rectify the leak;
- (b) any vehicle involved in any on 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 compete in the event. Failure to do so may result in exclusion 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.

## PERMITTED VEHICLE MODIFICATIONS

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

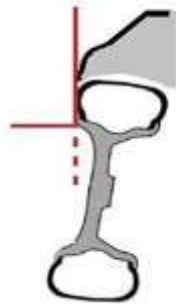
**FURTHER NOTE:**

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

Must be as supplied by the manufacturer with minor exceptions as below.

- (a) Wheel arch lipping modifications of OEM fenders to allow fitment of a tyre are permitted. (e) OEM fenders must be of original material.
- (b) 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

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

## 2. CHASSIS

- (a) Each vehicle must retain the original firewall as per OEM.
- (b) Original shock absorber (i.e. Macpherson Strut) towers must be retained.
- (c) No fully tubular construction or composite monocoques are permitted.

## 3. MINIMUM VEHICLE WEIGHTS

Vehicles should be the same weight as factory

## 4. AERODYNAMIC AIDS

No aftermarket or additional aero is allowed.

## 5. ENGINE

5.1 Each vehicle must use a Commercial Fuel, E85 or Unleaded Racing Fuel

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

5.3 The Mazda 26B four rotor is considered a production engine by the promoter.

5.4 For ATA Prodsprint:

- (a) The original engine must not be modified internally.
- (b) Turbo / superchargers can be upgraded

- (c) Inlet and exhaust manifolds can be upgraded
- (d) Intakes are free
- (e) The use of a turbocharger or supercharger is allowed, as long as it was a factory part on that car

**NOTE:** For example, you cannot fit a turbo to a Honda S2000, as that car did not have one from the factory.

## 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 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. Engine coolant radiator fan is free.
- (c) A larger turbocharger/supercharger intercooler may be replaced or fitted, as long as it was fitted factory to that car. You cannot modify the bodywork for the addition of fasteners and for the passage of intercooler pipe work 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.

## 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.

## 8. ELECTRICAL SYSTEM

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

## 9. EXHAUST

### 9.1 The complete exhaust system for ATA Prodsprint may be modified or replaced in accordance with the

- (a) It must comply with 95db @ 30m noise restrictions. **following:**
- (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 are to be standard.
- (c) Internal components of differential are free.
- (d) Automatic transmissions if provided as an option by the OEM for that model are permitted.
- (e) OEM mounting points for the Transmission and Differential must be used.
- (f) Sequential change systems are not permitted unless originally fitted by the OEM to that model of vehicle.

## 11. SUSPENSION

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

### 11.1 thermal expansion.

**11.2 Minimum ride height for ATA Prodsprint is 80mm: 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 ATA Prodsprint:**

- (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 can not be altered in design or 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 must be retained on the vehicle.
- (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 ATA Prodsprint:**

- (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) 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.

## **14. WHEELS**

- (a) Each wheel is free and size is unrestricted but must be suited to the tyre size used.
- (b) A maximum of one metallic spacer may be used behind each wheel. Consideration must be given to wheel stud length when fitting spacers.



- (c) Maximum spacer size is 30mm per wheel.

## 15. INTERIOR

**Full interior must be retained apart from the following exceptions:**

- (a) Local modification to the interior for fitment of a half roll cage and race seat is allowed.

## 16. VEHICLE SUPERCAR LIST (INELIGIBLE FOR ATA PRODSPRINT 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**

**Lotus - all**

**Or any other car deemed a super car as by the organisers**

## 17. DEFINITIONS

- (a) AASA – Australian Auto-Sport Alliance Pty Ltd
- (b) **Alternative Materials** - Materials of suitable and acceptable strength and construction for use in motor vehicle parts and panels.
- (c) **Body work** - Refers to the exterior body of a motor vehicle.
- (d) **NCRs** – the AASA National Competition Rules.
- (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 fire proof 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) **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.
- (r) **WTAC** - World Time Attack Challenge.
- (s) **ATA** - Aus Time Attack