

Queensland 86/BRZ Cup Challenge



Series Regulations (SR)

SR1 TITLE

S1.1 Title

The *Series* will only be known as and referred to as the Qld 86/BRZ Cup Challenge. The series will be managed by Track Attack Australia (TAA) and the Series Manager is Brett Peters

SR2 ADMINISTRATION PERSONNEL

The following personnel have been appointed to the *Series* and have the authority to administer the various aspects of these regulations.

- (a) Category Manager (CM) & DSO TBA
- (b) Technical Manager TBA

SR3 COMPETITOR/DRIVER ELIGIBILITY

- (a) To be eligible to compete in the *Series*, each *Competitor* must:
 - (i) Hold a AASA National Race Licence
 - (ii) Comply with all rules and regulations set down by TAA, Track/Facility Managers & the Governing Body.
- (b) Management reserves the right to prohibit a *Competitor* from entering an *Event*.

SR4 DRIVER REGISTRATION

Each *Driver* is required to enter each round via the appropriate website 7 days prior to the event. Entries may be accepted after this time at the discretion of the Series Manager.

SR5 SERIES EVENTS

- (a) The *Series* will be conducted over 5 *Events* as detailed in the *Series Calendar*.
- (b) Each race conducted as a part of the *Series* will count in determining the final *Series* standings.

SR6 SERIES CALENDAR

The *Series* will be conducted over 5 rounds: Each round will be held over 3 or 4 races. Dates will be as per the QRDC dates announced by QLD Raceways.

SR7 GRID DETERMINATION

The grid for each race will be determined in accordance with the Progressive Grid process.

SR8 START PROCEDURE

The *Start* procedure for each race will be in accordance with procedure outlined by the event promoter in the Supplementary Regulations. For clarity, this does mean the start procedure may differ from round to round

SR9 POINT SCORE

- (a) Points will be awarded to *Drivers* for each race in the *Series* in accordance with the following table:

| Position | Points | Position | Points | Position | Points | Position | Points |
|------------------|--------|------------------|--------|------------------|--------|------------------|--------|
| 1 st | 100 | 11 th | 60 | 21 st | 40 | 31 st | 20 |
| 2 nd | 90 | 12 th | 58 | 22 nd | 38 | 32 nd | 18 |
| 3 rd | 82 | 13 th | 56 | 23 rd | 36 | 33 rd | 16 |
| 4 th | 76 | 14 th | 54 | 24 th | 34 | 34 th | 14 |
| 5 th | 72 | 15 th | 52 | 25 th | 32 | 35 th | 12 |
| 6 th | 70 | 16 th | 50 | 26 th | 30 | 36 th | 10 |
| 7 th | 68 | 17 th | 48 | 27 th | 28 | 37 th | 8 |
| 8 th | 66 | 18 th | 46 | 28 th | 26 | 38 th | 6 |
| 9 th | 64 | 19 th | 44 | 29 th | 24 | 39 th | 4 |
| 10 th | 62 | 20 th | 42 | 30 th | 22 | 40 th | 2 |

SR10 EVENT OPERATIONS

- (a) All drivers must obtain a copy of & clearly understand the Driving Code of Conduct. The Driving Code of Conduct will be used to assess any incident, and penalties will be applied as per guidelines outlined by the governing body for each event.
- (b) For any event where a compulsory Race Management Radio is stipulated by the Event Promoter, it is mandatory that each competitor comply with this requirement.

SR11 TYRES

- (a) The control tyre is the Nankang AR1 – Qld – Queensland Raceway, – Price TBA

SR12 FUEL

- (a) Only 98 Fuel can be used – Purchased at track – Fuel testing will be done

SR13 AUTOMOBILE MARKINGS

- (a) Only sponsorship material approved by the *CM*, including, but not limited to, signage.
- (b) With exception of the *Series Signage*, signage is prohibited to be displayed on the front windscreen, rear windscreen, or side windows of the *Vehicle*.
- (c) The *CM* is the sole arbiter regarding the interpretation and application of all Markings. Any decision made by the *CM* in this regard, will not be the subject of any protest or appeal.

SR14 Competition Numbers

- (a) The allocation of a Competition Number is on the TAA website.

SR15 Series Signage

Each *Automobile* must display the following *Series Signage* as supplied by the *CA*:

| Ref | Size (mm) | Signage | Colour | Location |
|-----|-----------|-------------------------|----------------|--|
| 1 | 200 high | Series sponsor | White | Upper front windscreen (Supplied) |
| 2 | 150 high | Competition number | Dayglo Yellow | Left-side front windscreen |
| | 150 high | Competition number | Dayglo Yellow | Right-side rear windscreen |
| | 150 high | Competition number | Dayglo Yellow | Side-quarter window (both sides) |
| 3 | 75 high | Series sponsor | | Middle of Front Bumper (Supplied) |
| 4 | 50 high | <i>Driver's</i> surname | Black or white | Above door roofline (both sides) |
| 5 | 75 high | | | Lower Side Sils (Supplied) |
| 6 | 75 high | | | Lower Side Sils (Supplied) |
| 7 | | | Yellow | All 4 corners of automobile (Supplied) |
| 8 | 100 High | Series sponsor | | Rear Number Plate (Supplied) |

SR16 Demerit Point System

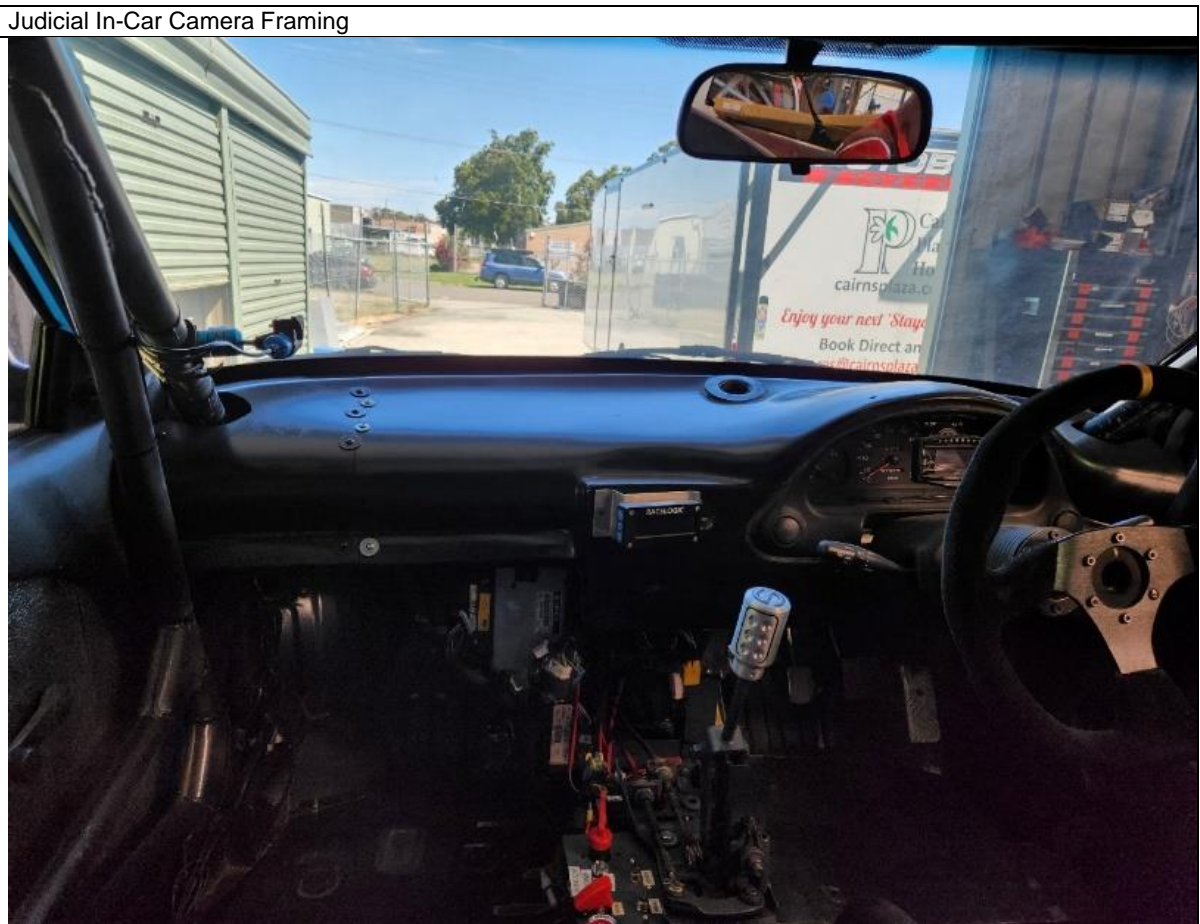
The TAA 2L Coupe Series adopts a demerit point system. Each competitor shall commence the year with 5 points. Should any competitor accumulate 5 (or more) demerit points in a season, that competitor shall be excluded from entering a TAA 2L Coupe Series round for the remainder of the season, or a period of 6 months – Whichever is longer.

For any session where a demerit point is applied to a competitor, it shall be at the discretion of the Clerk of The Course whether the competitor receives series points for that session (if applicable). Further sanctions may also be applied by any governing body in line with the relevant governing body’s competition rules.

SR17 In-car Camera

- (a) All Cars must be fitted with a judicial in-car camera unit with a minimum quality of a GoPro (1080p minimum).
- (b) The judicial in-car camera unit must be installed in accordance with attachment 3 and be adjusted in such a way to at all times provide clear unobstructed video images of the *Driver's* view of the *Track* ahead.
- (c) Each *Competitor* must have 3 x 16GB or greater micro-SD cards at each *Event*, clearly labelled with their Vehicles Number.

Attachment 3



Technical Regulations (TR)

TR1 GENERAL

- (a) The series is run as a Production car series for Toyota 86 & Subaru BRZ Vehicles.
- (b) TAA reserves the right to make changes to these regulations at any time.

TR2 ELIGIBILITY

TR2.2 Eligible Vehicles

- (a) Only the following Automobiles are eligible to compete in the Series:
 - (i) Toyota 86 GT 86ZN6 SER (AK, BK, CK and DK Series Cars) + invited BRZ
- (b) The series reserves the right to seal any component for future examination later. All costs associated with the examination will be borne by the Competitor.

TR2.3 Scrutineering

- (a) Scrutineering at each Event will be conducted by the series officials.
- (b) The event promoter may have additional Scrutineering requirements, with which the competitor is obliged to comply.
- (c) It is the entrants responsibility to present their car for scrutineering at the appropriate times, in a complete and finished state, in 'ready to race' condition, including all markings, in accordance with these regulations.

TR3 WEIGHT

T4.1 Racing Weight

Minimum **Racing Weight** including the driver is **1280 kg**.

TR4

TR4.1 Safety Cage

- (a) All vehicles must be fitted with an approved Roll Cage. Refer to AASA Appendix 1 Safety cages

TR4.2 Driver's Seat

- (a) An approved race seat must be fitted.
- (b) Original mounting holes may be used for the fitment of the replacement Seat and no additional modifications may be made to the floor of an Automobile to facilitate the fitment.

TR4.3 Safety Harness

A safety harness must be fitted with a minimum 4 or 5 point Harness.

TR4.5 Judicial In-Car Camera

- (a) Each vehicle must be fitted with a GoPro judicial in-car camera unit and securely mounted in the Cockpit.
- (b) The judicial in-car camera system must be installed in accordance with all instructions provided by the Series and remain as supplied by the manufacturer.
- (c) Competitors may make application in writing to the Category Manager for approval of an alternative camera setup. Any alternative camera must be in high-definition (Minimum 1080p) and provide the same field of vision as the GoPro Camera.
- (d) The Judicial In-Car Camera must be operable & recording for all official sessions (including Qualifying).
- (e) Upon request, the competitor must supply the footage to the Category Manager, Technical Officer or DSO within 30 minutes of the request being made.
- (f) Any vehicle which is found not to have a functioning Judicial In-Car Camera for any session will start rear of grid for the following session, and shall have no points awarded for the session in which the camera was not functioning (if applicable).
- (g) If a vehicle is involved in an incident of car-to-car contact and a Judicial In-Car Camera is not functioning, the competitor will receive a penalty equal to being deemed the vehicle at-fault for the incident, in addition to any other penalties applicable under these regulations.

2 Litre Coupe Series Technical Regulations

TR5 COACHWORK

- (a) All vehicles must be as delivered from manufacturer at all times.
- (b) For the avoidance of doubt, vehicles are permitted to be fitted with the TRD Duck lip Style Spoiler.

TR6 ENGINE

TR6.1 General

- (a) Air conditioning components may be removed, however, if the air conditioning compressor/pump is removed, it must be replaced with an AC Delete Pulley & bracket. OEM Drive Belt must be retained.

TR6.2 Cooling System

Must comply with manufacturer delivery specifications.

TR7 SUSPENSION

Dampers/Shock absorbers must be 1-Way Adjustable ONLY, available "off the shelf", and have no external canisters.

TR7.1 Ride Height

A–minimum ride height of 100mm at the lowest point on the underside of the vehicle between both axels.

TR7.2 Camber

- (a) Maximum wheel camber:
 - (i) Front - negative 4.0°
 - (ii) Rear - negative 2.5°
- (b) Camber will be measured with driver seated in the Driver's Seat and each tyre set to a pressure of 25 psi.

T8 ELECTRICAL

TR8.1 Engine Management

- (a) ECU must be Standard ECU or Motec M150 ECU. A competitor's ECU may be swapped between competitors or impounded for inspection.

TR9 DATA

- (a) Vehicles are permitted to be fitted with a data logger (MoTec C125, VBox or similar)
- (b) Under no circumstances is car-to-pit transmission of data or telemetry during a session permitted
- (c) If fitted with a data logger, the competitor must be capable of extracting the data, and is required to present the data to the Category Manager, DSO or Technical Officer upon request.

TR 10 BRAKES

AP Calipers, Standard Toyota & WRX allowed.

- (a) **Brake pads are a control item.**

| | |
|----------------------|----------|
| Circo S99 Front Pads | \$379.00 |
| Circo S83 Rear Pads | \$298.00 |

Also available but not control

| | |
|--|----------|
| DBA Front Rotor Ring (Suit TGRA Kit) | \$330.00 |
| DBA Rear Rotor (Suit TGRA Kit) | \$229.00 |
| DBA T3 4000 Series Front Rotor (Suit STD Caliper) | \$195.00 |
| TBA T3 4000 Series Rear Rotor (Suit STD GTS Caliper) | \$195.00 |

TR11 WHEELS

Size: **18" or 17"**
Width: **Maximum 8" (225 width tyre)**
Offset: **+42**

TR12 TYRES

- (a) Each *Automobile* must only use the following tyres:
Manufacturer: **Nankang**
Model: **AR1**
Size: **225/40R18 or 205/40R17**
- (b) With exception of wear resulting from normal usage, each tyre must remain as supplied by the nominated tyre supplier and respect the manufacturer's recommendations.

TR13 FUEL SYSTEM

- (a) Category specified premium 98 unleaded from series provided bowser.
(b) No additives allowed
(c) OEM Specific

TR14 EXHAUST

Free.

TR15 Final Drive, Gear Ratios & Driveline

- (a) All Automobiles must be fitted with the OEM Specification Torsen LSD, including 4.1 Final Drive Ratio (as fitted in all 2012-2016 Toyota 86)
- (b) For the avoidance of doubt, the Torsen LSD with 4.3 Final Drive Ratio available in the later model 86 platform is strictly prohibited

TR22 Category Management Technical Inspection Impound

At the discretion of Category Management, a competitor may be advised that their vehicle is being impounded for further technical inspection upon completion of an event. Reasons for this may include (but are not limited to):

- Concerns regarding specific items of technical compliance which cannot be reasonably established at the circuit
- Discovery of components which do not comply with regulations, resulting in the need for further compliance verification
- A perceived significant performance advantage which cannot be explained through verification of driver performance data

Should Category Management wish to impound a competitor's vehicle, the competitor will be advised within 1hr of the completion of the last session. The competitor shall be required to maintain the integrity of parc ferme & must deliver the vehicle to the CM's technical delegate (TBA) no more than 1.5hrs following the completion of the event.

Should the technical inspection identify technical breaches, the competitor may be required to pay a \$500 inspection fee (at the discretion of Category Management).

TR23 Control Components

To ensure parity across all variants of the Toyota 86, the following items are said to be "controlled" for the TAA 2L Coupe Series. The below components listed in this document are said to be the required specification.

Tyres: **Nankang AR1**
Diff Ratio: **4.1**
Racing Weight: **1280 kg**
Wheel Spacers: **Not Permitted**
Brake pads: **As per TR10**

TR24 Technical & Judicial Bulletins

Following the completion of each round, the Category Manager, Technical Officer and/or DSO will prepare & distribute a Technical & Judicial Bulletin. This document will outline:

- Details of items inspected by the Technical Officer after each session (and any associated penalties), and;
- Details of any incidents investigated by the DSO (and any associated penalties), and;
- The outcome of any incident, protest or compliance investigation arising from a previous round, and;
- Details of any ongoing investigations arising from the most recent round of the series

This bulletin is designed to be informative and done so in the interests of transparency. The bulletin will be distributed to all entrants, as per details provided to the category.

While names will be redacted, Car Numbers will be referred to in this bulletin (where applicable). By competing in this series, you acknowledge that this information will be published & distributed to all teams.