



## 2025 Aus Cross Karts Championship Rules and Technical Regulations

A dynamic version of the 2025 Aus X Karts Championship competition rules will be maintained as current on the [www.ausxkarts.com.au](http://www.ausxkarts.com.au) website. It will have full regulatory value and effect.

It is the competitor's responsibility to review this document before each event as there may have been changes and there is no obligation on Aus X Karts to notify of any change. However, they will endeavour to do so where possible entirely at their discretion.

The following is to be used in conjunction with the relevant safety documents, supplementary and further regulations from the category manager, event promoter, stewards and event bulletins and guidelines as deemed appropriate by the track officials and/or governing body from each event.



## SERIES SPONSORS



**CAPITAL PERFORMANCE VEHICLES**



## SERIES PARTNERS



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## 1.0 Championship Calendar

	<b><i>Event Organiser</i></b>	<b><i>Event Dates</i></b>	<b><i>Event Type</i></b>	<b><i>Surface</i></b>	<b><i>Location</i></b>	<b><i>Round Sponsor</i></b>
Round 1	TORC Offroad Club	29th-30th March	Wheel to Wheel (Formed Grid)	Dirt	Kyneton, VIC	NPH
Round 2	Rallycross at Raleigh	25th May	Rallycross (Timed)	Mixed	Coffs Harbour, NSW	PWG
Round 3	VCAS (Swan Hill Car Club)	14th-15th June	Timed Autocross	Dirt	Swan Hill, VIC	MRN Tanks
Round 4	Aus X Karts / Pheasant Wood Circuit	30th-31st August	Wheel to Wheel (Formed Grid)	Asphalt	Marulan, NSW	Fee Contracts
Round 5	TORC Offroad 27-28th September	27th-28th September	Wheel to Wheel (Formed Grid)	Dirt	Kyneton, VIC	Ausnets
Round 6	Aus X Karts / Pheasant Wood Circuit	9th November	Wheel to Wheel (Formed Grid)	Asphalt	Marulan, NSW	CPV
Round 7	Rallycross at Raleigh	22nd-23rd November	Rallycross (Timed)	Mixed	Coffs Harbour, NSW	Kelco Construction

## 2.0 Technical Specification of the Cross Kart

**“AS PER MANUFACTURER'S SPECIFICATION”.**

**All Cross karts competing in this competition, are to remain unmodified, in their original form, as per the manufacturer's specifications set out in section 2 of this document.**

**If this rule book does not explicitly state that a component of the car can be modified, then it is to be assumed that the modification will be deemed a rule breach.**

If you are unsure as to whether or not a modification or specific repair may be deemed a rule breach, you should confirm this with the Category Manager (CM) to avoid the inconvenience and costs associated with reversing the modification/repair, as well as any penalties that may be imposed.

These rules are to benefit the Cross Kart class as a whole. Consideration will be given to individual circumstances, but the intent is to keep the karts mechanically equal to each other, with no advantage to any one competitor, while keeping cost to a minimum for this level of motorsport.

It is permissible for people to repair their cars provided they conform to the original specifications and use original parts manufactured by **OEM**. The production of moulds, patterns or jigs produced from original OEM parts is forbidden and the use of copies of OEM parts is prohibited.

## 2.1 General Specifications

### 2.1.1 Minimum Weight

Minimum kart race weight (after race) of 320kg.

### 2.1.2 Fuel

Commercially available 98 Octane ONLY. No additives are blended or mixed with the standard pump fuel.

### 2.1.3 Adjustable Aerodynamics

Not permitted.

### 2.1.4 Tow Points

Tow points must be easily accessible at the front and rear of each kart and coloured red.

### 2.1.5 Mud Flaps

For Loose surface events all karts must have all wheels covered by mud flaps no higher than 65mm from the ground.

## 2.2 ENGINE and DRIVE TRAIN

### 2.2.1 Engine Specifications

- a. Suzuki GSXR, and Yamaha MT-09 Engines, auxiliaries, and drivetrains as supplied by factory are to remain STANDARD. Using OEM parts.
- b. Engine rebuilds are permitted.
- c. Replacement components not identical in their supplier and part number are not to be used unless specific permission is granted, via writing from the **technical manager**.
- d. The use of upgraded valve springs is permitted.
- e. The use of upgraded main studs is permitted.
- f. Non-OEM exhaust permitted.
- g. Spark Plugs are unregulated.
- h. Oil Filters are unregulated.
- i. Air filters must be OEM or K&N.
- j. These engine rules are in place to protect the integrity and cost-effectiveness of the Category. Any breach of the engine rules will be dealt with harshly and treated as deliberate cheating.

### 2.2.2 Transmission

- a. Transmission rebuilds are permitted.
- b. Auto throttle blip and ignition cut, is permitted.
- c. No paddle shifts are allowed except for exceptional circumstances such as a driver with a disability.
- d. Reverse Kit may be fitted. If reverse kit is fitted or removed, it must be done in its entirety as per manufacturer specifications.

### 2.2.3 Clutch

- a. A standard clutch, or clutch with upgraded springs only permitted.

### 2.2.4 Transmission

- a) Primary and Final drive gear ratios are adjustable depending on track.
- b) **Chain Guards are Compulsory**

## 2.3 BRAKES

### 2.3.1 Brake Pads and Fluids

- a. Brake pads are unregulated.
- b. Brake Fluid is unregulated.

## 2.4 SUSPENSION and STEERING

### 2.4.1 Suspension Front and Rear

- a. Suspension geometry may only be adjusted within the limits of standard spec supplied equipment of the OEM. No alternate ball joints, spherical bearings, rod ends or bushing sleeves are permitted other than the variants supplied with the vehicle.
- b. The position of the sway bar can be adjusted to suit driver preference.
- c. Wheel spacers of up to 50mm are permitted.
- d. Maximum Track width of 1700mm permitted.

### 2.4.2 Steering

- a. Geometry may only be adjusted within the limits of standard spec supplied equipment of the Manufacturer.
- b. Power steering of any kind is prohibited.

## 2.5 ELECTRICAL and DATA

### 2.5.1 Electrical

- a. The wiring loom must remain as supplied or as built. Modifications to allow the use of a 'hard-wired' camera is permitted, no other modifications are permitted.
- b. ECU reflashing or tuning is permitted.

### 2.5.2 Data Collection

- a. Data collection is allowed through an Alfano Dash or similar. Data capture is to be limited to using the specified Aim dash and sensors that connect directly to it. No other additional electronics or data transmission devices are permitted, excluding cameras.

## 2.6 DRIVER COMMUNICATION

### 2.6.1 Radios

No radio communication is allowed between drivers and pit crew during qualifying or races.

**Racecievers are compulsory for the events at TORC Offroad Club.**

### 2.6.2 Timing

My Laps Transponders are required for most events in the championship.

## 2.7 IMPAIRED CONTROLS

### 2.7.1 Impaired Controls

Non-performance enhancing alterations related to driver accessibility and comfort are at the Category Manager's discretion, regarding the ability to alter control mechanisms, chassis, bodywork and seating to cater for an individual's physical impairments.

## 2.8 RACING REQUIREMENTS

### 2.8.1 Mirrors

Two mirrors are required, - one on each side of the buggy. Drivers will have to look out for catching drivers.

### 2.8.2 REAR LIGHTS

A Red LED Race Light along with 2 brake lights are required on the rear as a warning method for approaching drivers.

### 2.8.3 SIDE WINDOW SAFETY

There must be side netting or windows in place on both sides of buggies for driver protection.

## 2.8.4 SIDE IMPACT PROTECTION

Side protection bars must be mounted between the wheels on each side of the kart.

## 3.0 2025 Sporting Regulations: TITLE, AUTHORITY and JURISDICTION

### 3.1 Title

- a. This Series shall only be known as and referred to as the “Aus Cross Karts Championship”

### 3.2 Authority/Jurisdiction

- a. Each event in the Series shall be conducted under the Sporting and Technical Regulations issued for this Series, Supplementary and Further Regulations issued by the Organiser (AASA/MA) at each round; Bulletins Issued by the Stewards of the Meeting; Driver Briefing Notes issued by the Race Director or the Clerk of the Course at a meeting and any event specific documentation as published by the Category Manager.

### 3.3 Categories

- a. There will be two categories in the championship:

Class Name	Category
CK1	600cc GSXR + 850cc MT09 Powered Karts
CK2	750cc - 1000cc GSXR Powered Karts

### 3.4 Competitor Conduct

It is the competitor’s responsibility to ensure the driver and all associated team members always respectably conduct themselves. Failure to do so will result in the competitor being referred to the Stewards (and where required the CM and or Tribunal) of the meeting for bringing the category into disrepute.

#### 3.4.1 Tribunal Procedures

- a. Any on-track incidents will be dealt with by the MA/AASA Stewards of the meeting initially. It is the drivers' responsibility to put forward their case concerning a particular incident.
- b. Only under exceptional circumstances, if any of the involved parties of the incident are dissatisfied with the outcome ruled by the MA/AASA Stewards, they will then be able to present their case to the CM, to be adjudicated by a panel of 3 randomly selected tribunal members, selected from the top 10 of the championship standings.

- c. Any driver selected to be a part of the tribunal can be redrawn at the request of the CM if they are determined to be a conflict of interest.
- d. The CM will collate all the evidence required to present the information to the 3 randomly selected tribunes.
- e. A dispute of an incident must be lodged within 1 hour of the completion of the final race heat of the weekend.

## 4.0 ADMINISTRATION

### 4.1 Personnel

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

<b>National Category Manager (CM)</b>	Patrick Malanaphy	0456940590	info@ausxkarts.com.au
<b>Competitor Relations Officer</b>	Declan McGee	0452037233	declanjpmcgee@gmail.com
<b>Technical Manager</b>	Will Orders	0417547526	Willorders27@gmail.com

## 5.0 EVENTS

### 5.1.1 Qualifying Format

A continuous session of generally 15 or 20 minutes whereby the fastest lap time achieved by each driver is used to determine the final qualifying positions.

### 5.1.2 Grid Determination

The grid for each race shall be determined as follows:

Race 1: The grid for Race 1 shall be determined by the fastest order from qualifying.

Race 2: The grid for Race 2 and beyond will be a progressive grid based on the finishing positions of the previous race.

### 5.1.3 Start Procedure

The start procedure for each race shall be a rolling start or standing start as detailed in the supplementary regulations of each race meeting.

In the event of inclement weather such as wet or partly wet track conditions, the CM reserves the right to start the race in single file, with racing on the green flag. This will be advised before the race starts.

## 5.2 Points Scoring

- a. The Aus Cross Karts Championship will use the below points scoring system except when the category manager (and/or tribunal) decides otherwise due to penalties.
- b. Each driver will deduct the round in which they scored the least number of points for their overall championship points tally.
- c. Points Scoring per round for each class:
  - First place - 20 points
  - Second place - 17 points
  - Third place - 15 points
  - Fourth place - 13 points
  - Fifth place - 11 points
  - Sixth place - 10 points
- d. Competitors must compete in at least 3 of the championship rounds to qualify for the championship.

## 5.3 Awards:

Awards will be presented at the end of each event. Championship awards will be awarded after the last round of the championship.

### 5.3.1 Round Awards

Each class will be awarded trophies based on 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> for each event – 7 Rounds.

### 5.3.2 Championship Awards

1. Each class will be awarded trophies based on 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> for overall championship.
  2. A Perpetual Trophy will be given to each class winner at the end of the season. This will be engraved with their name and the year.
  3. Prize money will be awarded to the top 3 competitors in each class for championship positions:
    1. **1<sup>st</sup> place \$1,000, 2<sup>nd</sup> place \$500, and 3<sup>rd</sup> place \$250.**
- e. Sportsperson of The Year: Awarded - 2 x Hoosier Rear Treaded Tyres + Trophy
  - f. Rookie of The Year: Awarded - 2 x Hoosier Rear Treaded Tyres + Trophy \*\*

*\*\* Rookie means a competitor that has never competed in motorsport before. Subject to discretion of CM.*

### 5.3.3 Hoosier Sponsored Award

At all rounds, if any competitor wins the round using Hoosier Treaded Tyres from the following tyre categories:

- Tyre Category A:
- Tyre Category C:
- Tyre Category D:

That competitor will win a free pair of Hoosier Rear Treaded Tyres<sup>1</sup>.

<sup>1</sup> Competitor must have used specified Hoosier tyres for entirety of the event. If both classes are won by Hoosier competitors, award winner will be determined by coin toss of CM. Hoosier Australia to determine supplied tyres.

## 6.0 ENGINE NOISE LIMITS

All Karts must read no higher than 105db at most venues\*. Any kart that can't meet such a requirement will not start the event. An additional exhaust silencer or db killer is encouraged.

**\*Pheasant Wood circuit has the strictest limit of 95db at 30m.**

*\*\*Typical GSXR powered Karts read 110db from factory so additional noise reduction is highly recommended.*

## 7.0 TYRES

a. Tyres permitted in the championship are assigned into categories as follows (Limited to certain Rounds):

### Category A:

#### Goldspeed

165/70-10 Front

Red (Super Soft), Blue (Soft), Yellow (Medium)

224/40-10 Rear

Red (Super Soft), Blue (Soft), Yellow (Medium)

#### Hoosier

##### Front

18.5x6.0-10 Tri-Trac T10

18.0x5.5-10 ATV RD20

57.0/6.0-10 Micro D15

##### Rear

18.0x10.0-10 Tri-Trac RD20 (Medium) and RD30 (Med-Hard)

18.0x11.0-10 Wide Tri-Trac T10 (Soft) and T20 (Medium)

18.5x8.5-10 Crossblock RD20

18.0x10.0-10 Crossblock RD20 (Medium) and RD30 (Med-Hard)

61.0x8.0-10 Micro RD15

62.0x8.0-10 Micro RD15

#### Category B:

##### Goldspeed

165/70-10 Front Yellow (Medium)

224/40-10 Rear Yellow (Medium)

##### Hoosier

18.0x6.0-10 Front R20 and R35B Slick

18.0x7.5-10 Rear R35B Slick

#### Category C:

##### Hoosier

18.0x6.0-10 Wet

19.5x6.5-10 Wet

#### Category D:

##### ITP Holeshot or equivalent

20.0x6.0-10 Front

20.0x11.0-10 Rear

##### Maxxis Razr

21.0x7.0-10 Front

##### Goldspeed SXF

21.0x7.0-10 Front

##### Hoosier

21.0x7.0-10 Front XC200

20.5x6.0-10 Front MX150

b. Tyres are to be supplied by **Aus X Karts** or directly through Hoosier Tire Australia.

c. Each axle tyre set must contain the same compound tyre. (Unless in the event of puncture)

The tyre sets permitted to be used FOR EACH ROUND are as follows:

<b>Round 1</b>	<ul style="list-style-type: none"><li>• Tyre Category A:</li><li>• Tyre Category D:</li></ul>
<b>Round 2</b>	<ul style="list-style-type: none"><li>• Tyre Category A:</li></ul>
<b>Round 3</b>	<ul style="list-style-type: none"><li>• Tyre Category A:</li></ul>
<b>Round 4</b>	<ul style="list-style-type: none"><li>• Tyre Category B:</li><li>• Tyre Category A: (Only If Track Declared Wet)</li><li>• Tyre Category C: (Only If Track Declared Wet)</li></ul>
<b>Round 5</b>	<ul style="list-style-type: none"><li>• Tyre Category A:</li><li>• Tyre Category D:</li></ul>

<b>Round 6</b>	<ul style="list-style-type: none"> <li>• Tyre Category B:</li> <li>• Tyre Category A: (Only If Track Declared Wet)</li> <li>• Tyre Category C: (Only If Track Declared Wet)</li> </ul>
<b>Round 7</b>	<ul style="list-style-type: none"> <li>• Tyre Category A:</li> </ul>

If track is declared wet, number of wet tyres than can be used is limited to one set per round.

*Special permission may be granted by the CM to use a set of previously raced tyres from 2024, during a round in which additional tyres are prohibited from being introduced.*

- Tyre warmers are **not** permitted during qualifying and racing heats.
- A replacement 'used' tyre of similar wear and approved by the CM can be used in the event of a puncture or similar.

## 8.0 Championship Entry Qualification Standards

The ADC intends to run a competitive and safe series and to that end, the qualifying criteria for entry to the **Aus Cross Kart Championship** will be as follows;

- Display sound situational awareness abilities.
- Display successful driver management abilities when being lapped or when passing other drivers.
- P plate drivers will complete a minimum of 3 rounds starting from the rear of the grid that can be waived earlier at the CM's discretion.

## 9.0 Aus Cross Karts Championship Signage and Numbering

- Competition Numbers: **Competitors must submit their preferred race number prior to the first round.**

At all rounds of the Aus Cross championship, each car shall display the decals provided on the bodywork.

The decals are supplied at the first round free of charge.

**Number boards must be fitted to the roof of the kart showing black numbers on a white background. Names are recommended but not compulsory.**

**If the rules don't say you can, then assume you can't!!!**

Kind Regards,  
Patrick Malanaphy  
Category Manager