



CLUB RULE BOOK

EFFECTIVE 09 JULY 2019

WOQSSA ACKNOWLEDGES **THE TAMS GROUP** FOR
THEIR VALUABLE CONTRIBUTION IN THE
ESTABLISHMENT OF OUR FACILITY.





CLUB RULES

These rules only apply to WOQSSA club events. Rules governing Australian and/or State Championships are now governed by the RCRA. Please consult the National Rule Book if participating in national or state title events.

- 1.1 Participants in all classes must be 9 years of age or older.
- 1.2 Prospective members, will be allowed to run on the track for 2 meetings, after which they will be required to become a financial member of WOQSSA. This rule does not apply to any person who has been previously been a financial member of WOQSSA.
- 1.3 All new drivers will be required to start all races from Rear Of Field (ROF) until such time that the Steward is satisfied with their driving ability.
- 1.4 If there are more than 4 new drivers then they will all be put in a heat of their own.
- 1.5 Special events, like social days where we entice drivers to come run on the track for fun, these drivers will run in a group of their own as they can be made up of all different makes and models of cars as well as different engine capacities.
- 1.6 Pricing for new members to join the club partway through the year will be 6 monthly fee. This does not apply to previous members or renewing members.
- 1.7 No smoking or “vaping” in Pit Area. Smoking or “vaping” only permitted in designated Smoking Areas.
- 1.8 Fully enclosed shoes must be worn by competitors and people entering the race track.
- 1.9 Verbal or Physical attacks on fellow competitors and volunteers on Driving Stand and Pit Area will not be tolerated. Penalties will be handed out.
- 1.10 All cars must run transponders.
- 1.11 No individual person or group can enter and race more than three (3) classes of race car in any one (1) club race meeting including Western Australian State Title.
- 1.12 FIRE AND EMERGENCY MUSTER POINT:**
- When directed by the race director or duty safety officer/s, please proceed in an orderly fashion to the bitumen area on the airstrip to the south of the race track. Remain in this area until instructed further.
- 1.13 PHYSICAL INJURY:**
- All physical injuries sustained at the venue **MUST** be reported to the race director immediately.
- 1.14 SAFETY OFFICERS:**
- The duty safety officer/s will be announced at the drivers meeting prior to the commencement of each event.

1A. STATE TITLES RACE FORMAT

In 2019, the club voted to give RCRA control of State and National Title events. These events will now be run under the rules and guidelines determined by RCRA.

Please refer to the RCRA website for the rules governing the State Title.

2. RACE FORMAT (Club meetings)

Trophy Class

4 x 10 lap heats - 1 x 30 lap Final (Subject to change according to circumstance or event requirements)

All other Classes

3 x 10 laps heats – 1 x 25 lap Final

3. TECHNICAL INSPECTION

At any time of the race weekend the **Scrutineer** may call any or all of the competitors cars to the scrutineering area for technical inspection, here you must also show that your car is within the rules

Under all circumstances it is the responsibility of the driver that their car is within the Australian ¼ Scale National Rules during a race meeting. If a car is found illegal during heats, or final, its result will be made void and the car has to stay in technical inspection until the result is published and the protest time is over. **30 mins from end of race.**

4. TRACK MARSHALS

Drivers will act as marshals as per the Club requirements. (Marshals are required to wear a high visibility vest and enclosed shoes when entering the racing arena) All marshals will be over the age of 16 years marshals will only be admitted onto the racing arena when the red light is on and when all cars are stationary, except for when a vehicle has lost radio signal and is not in control by its driver.

Marshals can also provide maintenance to any vehicle that requires it.

5. ON TRACK CAR MAINTENANCE

All Reds are considered “open reds” The marshal may do minor repairs (no tools; see note below) to a competitors cars at a race stoppage, if maintenance is performed on the offending car for the stoppage that car will restart at ROF, if maintenance is performed on a non-offending car for the stoppage, that competitor will go to rear of field.

If a flameout occurs the marshal can restart the car, each car is allowed a maximum of two (2) pull starts, on the third flame out the car will be retired from the race and remain on the infield.

The marshal is the only person permitted to work on the car in the racing arena

NOTE: Tools may only be used to clear a blocked exhaust pipe outlet!

6. STARTS and RE-STARTS SPEEDWAY RULES (COMPRESSED)

6.1.1 Start Rules: All drivers will start in formation 2 wide the race will start as soon as they cross the white line after the audible sound is given.

6.1.2 If a race is stopped before the last running car completes the first lap, a complete restart shall be ordered.

6.1.3 If a race is stopped after one completed lap then the restart shall be done in single file with the lead car setting the pace. Racing will begin as each car crosses the start finish line on the green light/siren

6.1.4 If a Race Car breaks formation or jumps the start / re-starts from within the field, but the Steward wishes the Race to continue, the Steward will make an announcement over the P.A and the Driver may be penalised. If the jumped start enabled Race Cars to be passed unfairly, the Driver will be put back one position for each Race Car so passed. This penalty will be applied at the end of race,

6.1.5 In any restart, lapped cars are to take their positions behind cars on the lead lap.

Lead Lap – 1 lap down – 2 laps down and so on.

7. PRIMARY CAUSE

Any car considered by the Corner Marshal/Steward to be primary cause of a stoppage, will go rear of the entire field, including lapped cars, but will stay on the current lap they are on.

8. PASSING ON INFIELD

If a driver gains a position by passing or driving on the infield, the driver may be penalised 2 positions for every car passed. If no car is passed, but race control determines the driver gained a time advantage, a five (5) second time penalty will be applied post race.

9. PROTESTS

A protest may be called if a competitor believes another competitor is cheating. A protest is to be in writing and handed to the Steward within **30 mins from end of race**. There is also a fee of \$50 for the protest; this fee will go to the host club of the event. If a protest occurs the competitor will be asked to show their car for technical inspection, in the case of the engine being subject of the protest, the competitor will be asked to remove the engine from their car and pull it down in a clean environment at the completion of the event. The competitor will be issued a gasket kit free of charge to put their engine back together after the inspection is complete.

10. TECHNICAL INFRINGEMENTS

If your car is deemed to be illegal the driver of this car may receive a 12 month ban from the sport. Cheating will not be tolerated on any level. The driver is solely responsible for the vehicle at ALL times

- ◆ Motor infringements – 12 months
- ◆ Car technical 2nd offence 2 race meetings (1st offence a warning will be issued)

11. ALCOHOL POLICY

- ◆ West Oz believes in responsible alcohol consumption and a No Drink Driving Policy.
- ◆ The No Drink Driving (Zero Tolerance) covers all persons wishing to take control of any radio-controlled car with the engine running/turned on.
- ◆ No person will be permitted to take control of a radio-controlled car with the engine running/turned on, while under the influence of alcohol during a race meeting, practice day, practice session or at any display function.

12. BLACK FLAG - DRIVING STANDARDS

A black flag may be displayed to any driver who it is deemed is racing with “poor sportsmanship”, or a race car deemed to be out of proper control or defective, or to any driver failing to follow a directive from race control or appointed steward.

Race control or the appointed steward may issue a verbal caution in lieu of the black flag.

The black flag can only be displayed by the main gate marshal, at the directive of race control who will give verbal advice of the penalty.

A driver receiving the black flag will proceed immediately to the infield within one (1) lap of receiving the flag or, if during a stoppage, marshalls will remove the car from the circuit immediately.

A driver who receives a black flag penalty will not be awarded any points for that race.

13. COMMUNICATION - RACE CONTROL TO DRIVER

WOQSSA will provide direct, one-way communication from race control to drivers on the drivers stand.

Speakers connected to the appropriate channel will be placed upon the drivers stand.

Drivers are advised to wear a “Receiver” or similar device, and while recommended, it is not mandatory.

Drivers opting not to wear the communication device cannot use “failure to hear the speakers” as a reason why an instruction is not followed.

It is the drivers responsibility to ensure their “receiver” is in good working order.

SOCIAL MEDIA ACCEPTABLE USE

Acceptable Use of Our Facebook Page and Social Media Channels

West Oz Quarter scale Association welcomes comments on our social media channels, including Facebook and Twitter. We want to hear from our fans about what they love about Quarter scale Speedway, what is happening in the world of Quarter scale Speedway, upcoming events and your accomplishments

You are welcome to express your views, comments and ideas about Quarter scale Speedway – you should keep your posts positive at all times.

You should show courtesy and respect to others and must not use our social media channels to abuse others, expose others to offensive or inappropriate content, or for any illegal purpose. Negativity and unconstructive comments do not advance the promotion of the sport of Quarter scale Speedway. You should refrain from making such comments.

When using our social media channels, please ensure that you:

- protect your personal privacy and that of others by not including personal information about yourself or others in your posts to our social media channels (for example, email addresses, private addresses or phone numbers)
- represent your own views and not impersonate or falsely represent any other person
- do not make disparaging remarks or comments about the sport, Officials, Competitors and administrators
- are not abusive and do not harass or threaten others
- do not make defamatory or libellous comments
- do not use insulting, provocative, hurtful or hateful language
- do not belittle any person
- do not use obscene or offensive language
- do not post material to our social media channels that infringes the intellectual property rights of others
- do not post multiple versions of the same view to the our social media channels or make excessive postings on a particular issue
- do not promote commercial interests in your posts to our social media channels
- do not include internet addresses or links to websites, or any email addresses in your post to our social media channels.

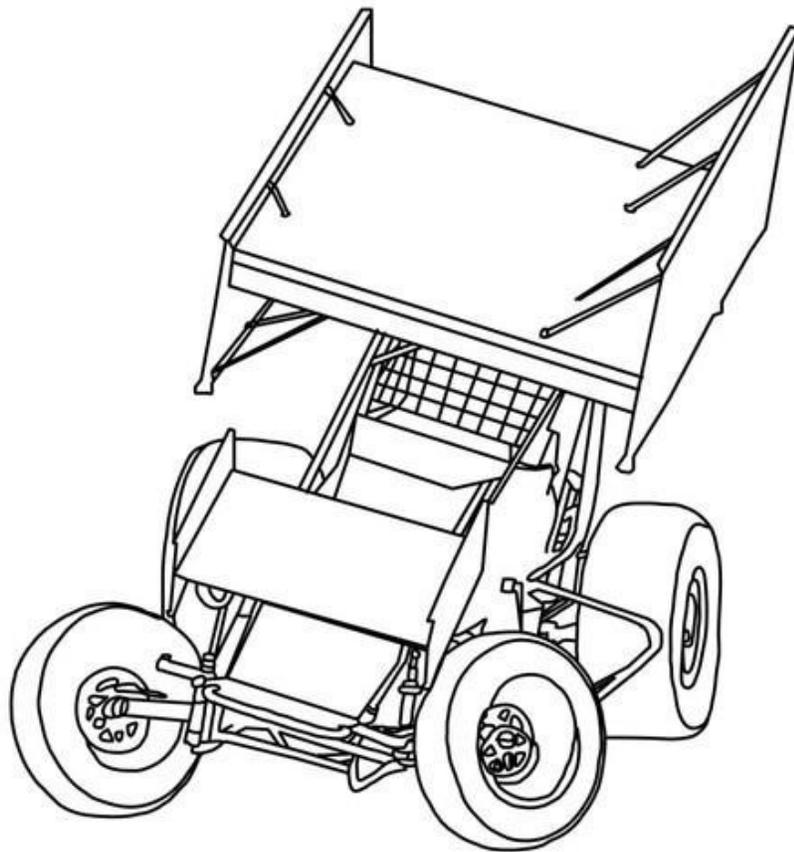
West Oz Quarter scale Association reserves the right to enforce this Acceptable Use policy at its discretion. West Oz Quarter scale Association may remove any posted messages that it considers to be in breach of our general Social Media Policy, this Policy.

Social Responsibility

West Oz Quarter scale Association is an equal opportunity organisation which values diversity. We are committed to the health, safety and general well-being of all our members and personnel. As an organisation we are dedicated to providing a safe environment free from bullying, harassment, discrimination and abuse for all of our members, Competitors, Officials, administrators, volunteers and supporters.

West Oz Quarter scale Association is committed to ensuring that everyone associated with Quarter scale Speedway activities complies with our Policy. West Oz Quarter scale Association adopts, and requires our Officials and administrators to adopt, a ZERO TOLERANCE approach to bullying, harassment, discrimination and anti-social behaviour.

WEST AUSTRALIAN QUARTER SCALE SPEEDWAY ASSOCIATION CLASS RULES



Effective 09th July 2019

(Rules to remain in force for a minimum period of 12 months. Changes to club rules to be proposed and voted for acceptance at the clubs AGM.

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Participants in all classes must be 12yrs of age or older.

This decision is at the discretion of the race director for each event.

STATE DELEGATES:

WESTERN AUSTRALIA: JOHN ALFORD

SOUTH AUSTRALIA: VIC BENTVELZEN 0417 457 167

NEW SOUTH WALES: GEOFF BOOTH

SPRINTCAR SPECIFICATIONS

1. GENERAL

1/1: Appearance must resemble a full size Sprint car.

1/2: Must be fitted with wings and nerf bars to resemble a full size Sprint car

1/3: All measurements for this model are measured from extreme points.

2. MODEL DIMENSIONS

2/1: LENGTH; maximum = 39" / 990mm

2/2: WIDTH; maximum = 20" / 500mm (measured to outside of tires)

2/3: CHASSIS; Minimum height 11.5" / 290mm Maximum height 12.5" / 320mm

2/4: WHEELBASE; Minimum 20" / 500mm Maximum 24" / 600mm

3. ENGINE

3/1: Maximum engine capacity is 26cc as supplied by engine manufacturer (26cc barrel kit may be fitted to smaller engines but must be from same manufacturer)

3/2: Engine must remain stock internally, NO internal modifications allowed

3/3: Air/fuel intake and exhaust may be modified (as per modifications outlined below)

3/4: Permitted engines are: Zenoah G230RC / G240RC / G260RC / G270RC / or equivalent CY / FUELIE engines

3/5: Reed valve engines are NOT allowed

3/6: Ignition system must remain standard as per engine manufacturer including spark plug lead

3/7: Flywheel must remain standard

3/8: Clutch must remain standard as fitted to listed engines

3A. ENGINE MODIFICATIONS

3A/1: EXHAUST; Non standard exhaust is permitted and must not be longer than the body and be contained within the side nerf bars.

Noise must not exceed 95DbA from a distance of 10M from the model using an approved measuring device

3A/2: INTAKE; Carburettor from listed engines only. Bearing modification (or ball race) on main shaft allowed. No other modification allowed to the approved Carburettor

3A/3: intake manifold / Air filter is open, rotation of carburettor is allowed. Maximum length of insulator block is 31mm including gaskets.

3A/4: Spark plug may be changed no restrictions

3A/5: Porting and polishing is NOT allowed

SPRINTCAR SPECIFICATIONS

4. DRIVELINE

4/1: Rear wheel drive solid axle only with Belt / Chain / or Locked Differentials

4/2: Multi speed gearboxes are NOT allowed

5. FRONT AXLE

5/1: Solid beam axle only NO independent allowed

6. CHASSIS

6/1: Tube type maximum outside diameter 1/2" / 12.7mm

6/2: Plate type maximum thickness 1/4" / 6.3mm

7. NERF AND CRASH BARS

7/1: Steel maximum outside diameter 5/16th" / 8mm

7/2: Aluminium maximum outside diameter 3/8" / 9.5mm

8. BRAKES

8/1: Must be fitted and operational

8/2: No restriction and type or number of brakes fitted

9. SUSPENSION

9/1: Independent front or rear is NOT ALLOWED

9/2: Torsion bar or coil spring in any combination front and rear allowed

9/3: maximum of 4 shock absorbers

10. WHEELS AND TYRES

10/1: Maximum rim diameter front and rear 4 1/2"

10/2: Front tyres maximum diameter 6 1/2" width 2 1/2"

10/3: Rear tyres maximum diameter 7" width 4 1/2"

SPRINTCAR SPECIFICATIONS

11. WINGS

11/1: Top wing - maximum 18" / 455mm long x 15" / 380mm wide (**NOT** including sides)

Top sides - maximum 18" / 455mm long and 7 1/2" / 190mm high

11/2: Front wing- Maximum 6 1/2" / 165mm long x 9" / 230mm wide (**NOT** including sides)

Front sides- Maximum 6 1/2" / 165mm long x 3" / 75mm high

12. FUEL / TANK

12/1: FUEL; Pump Fuel Only to maximum 98 octane. No other fuels or additives are allowed other than 2 stroke oil

12/2: TANK; Must be mounted securely within model and made from leak proof material

13. KILL SWITCH

13/1: Must be fitted and operational must be fitted to top right hand rear of roll cage identified by a blue triangle

13/2: Third channel remote kill switch is recommended but not mandatory

14. RADIO / ELECTRICS

14/1: 2.4GHz band radio only

14/2: 'D' boxes/and or gyros are NOT allowed

14/3: ONE only Transponder is to be fitted as near as possible behind front axle

15. RACE NUMBERS

15/1: Must be 90mm high and 50mm wide each number

15/2: Must be fitted to both sides of tail tank, minimum height of 60mm, in contrasting colour

15/3: Must be fitted to both sides of wing boards in a contrasting colour

15/4: Number must have state letter adjacent (**REFER TABLE 1.**)

15/5: Current state champion may display numeral "1" next to their state letter

15/6: Current Australian champion may display "A1" as their number.

SEDAN SPECIFICATIONS

1. GENERAL

1/1: Appearance must resemble full size late model or super sedan

1/2: All measurements for this model are measured from extreme points

2. MODEL DIMENSIONS

2/1: LENGTH; maximum 48" or 1220mm

2/2: WIDTH; maximum 20" or 508mm (measured to outside of tires)

2/3: HEIGHT; maximum 13 1/2" or 343mm

2/4: WHEELBASE; minimum 22" or 558mm maximum 26" or 660mm

3. ENGINE

3/1: Maximum engine capacity 26cc as supplied by engine manufacturer (26cc barrel kit may be fitted to smaller engines but must be from same manufacturer)

3/2: Engine must remain stock internally, NO internal modifications allowed

3/3: Air /Fuel intake and exhaust may be modified (as per modifications outlined below)

3/4: Permitted engines are: Zenoah G230RC / G240RC / G260RC / G270RC / or equivalent CY / FUELIE engines,

3/5: Reed valve engines are NOT allowed

3/6: Ignition system must remain standard as per engine manufacturer including spark plug lead

3/7: Flywheel must remain standard

3/8: Clutch must remain standard as fitted to listed engines

3A. ENGINE MODIFICATIONS

3A/1: EXHAUST: Non standard is permitted and must not be longer than the body and be contained within the body, noise must not exceed 95DbA from a distance of 10M from the model using an approved measuring device.

3A/2: INTAKE: Carburettor from listed engines only. Bearing modification (or ball race) on main shaft allowed. No other modification allowed to the approved Carburettor

3A/3: Non standard / intake manifold / air filter are allowed rotation of carburettor is allowed. Maximum length of insulator block is 31mm including gaskets.

3A/4: Spark plug may be changed no restrictions

3A/5: Porting and polishing is NOT allowed

SEDAN SPECIFICATIONS

4. DRIVELINE

4/1: Rear wheel drive solid axle only with Belt / Chain / or Locked differential

4/2: Multispeed gearbox is NOT allowed

5. FRONT AXLE

5/1: Beam or independent allowed

6. CHASSIS

6/1: To be constructed from 3/8" or 10mm round steel tubing or 5/8" or 16mm box type, Plate chassis are not allowed.

7. NERF AND CRASH BARS

7/1: Rear crash bar may be fitted but must be inside of body

7/2: Front and side bars are allowed but must be contained within body

8. BRAKES

8/1: Must be fitted and operational

8/2: No restriction on type or number of brakes fitted

9. SUSPENSION

9/1: FRONT: May be independent or solid with torsion bar or coil over

9/2: REAR: Solid axle only with torsion bar or coil over independent NOT allowed

9/3: More than 4 shocks is permitted to resemble full size car.

10. WHEELS AND TYRES

10/1: Maximum rim diameter front and rear 4 1/2"

10/2: Front tires maximum diameter 6 1/2" x 3 1/2"

10/3: Rear maximum diameter 7" width 4 1/2"

10/4: Tyres shall not protrude more than 3/8" or 10mm outside the body when measured with the wheels set parallel to the body

11. WINGS

11/1: No higher than roof line

11/2: Side dams no higher than roof line

SEDAN SPECIFICATIONS

12. FUEL / TANK

12/1: FUEL; Pump Fuel Only to maximum 98 octane. No other fuels or additives are allowed other than 2 stroke oil

12/2: TANK: Must be mounted securely within model and made from leak proof material

13. KILL SWITCH

13/1: Must be fitted and operational and identified by a blue triangle on body

13/2: Third channel remote kill switch is recommended but not mandatory

14. RADIO / ELECTRICS

14/1: 2.4GHz band radio only

14/2: 'D' boxes and or gyros are NOT allowed

14/3: ONE only Transponder is to be fitted as near as possible behind front axle.

15. RACE NUMBERS

15/1: Must be a 90mm high and 50mm wide each number

15/2: Must be fitted to both sides of car and on roof

15/3: Number must have state letter adjacent (**REFER TABLE 1.)**

15/4: Current state champion may display numeral "1" next to their state letter

15/5: Current Australian champion may display "A1" as their number.

DIRT MODIFIED SPECIFICATIONS

1. GENERAL

- 1/1: Appearance must resemble full size V8 Dirt Modified Speedway Car
- 1/2: Must be based on Baja 5B, HPI / HPI SS / Rovani / King Motor models only
- 1/3: Body is mandatory see body specifications below
- 1/4: Aluminum upgrade to replace plastic parts permitted
- 1/5: All measurement for this model are measured from extreme points

2. MODEL DIMENSIONS / BODY

- 2/1: MODEL LENGTH; Maximum overall BODY LENGTH 910mm
- 2/2: MODEL WIDTH FRONT; Maximum 480mm
- 2/3: MODEL WIDTH REAR; Maximum 510mm
- 2/4: BODY: must be made from Plastic / Aluminium or fiberglass
- 2/5: BODY: Maximum thickness of body material Plastic 3mm / Aluminium & Fiberglass 1.2mm
- 2/6: BODY: Maximum width 480mm
- 2/7: BODY: Front of body 1. Bull nose style must have 40mm vertical flat section at front
- 2/8: Slant style must have double row nerf bar same as full size car

3. ENGINE

- 3/1: Maximum engine capacity 26cc as supplied by engine manufacturer (26cc barrel kit may be fitted to smaller engines but must be from same manufacturer)
- 3/2: Engine must remain stock internally, NO internal modifications allowed
- 3/3: Air/Fuel intake and exhaust may be modified (as per modifications outlined below)
- 3/4: Permitted engines are: Zenoah G230RC / G240RC / G260RC / G270RC / or equivalent CY / FUELIE engines,
- 3/5: Reed valve engines are NOT allowed
- 3/6: Ignition system must remain standard as per engine manufacturer including spark plug lead
- 3/7: Flywheel must remain standard
- 3/8: Clutch must remain standard as fitted to listed engines

DIRT MODIFIED SPECIFICATIONS

3A. ENGINE MODIFICATIONS

3A/1: EXHAUST; Non standard is permitted and must not be longer than the body, and must be contained within the body. Engine Noise must not exceed 95DbA from a distance of 10M from the model. Using an approved measuring device.

3A/2: INTAKE; Carburettor from listed engines only. Bearing modification (or ball race) on main shaft allowed. No other modification allowed to the approved Carburettor

3A/3: Non standard Intake manifold / Air filter are allowed. Maximum length of insulator block 31mm including gaskets.

3A/3: Spark plug may be changed no restrictions

3A/4: Porting and Polishing is NOT allowed

4. DRIVELINE

4/1: 2 Wheel drive only allowed

4/2: Locked differentials are not allowed

4/3: Alloy differential as fitted to HPI Baja 5bss is allowed

4/4: Multi speed gearbox is not permitted

5. FRONT AXLE

5/1: Standard as per manufacturer

6. CHASSIS

6/1: must resemble Standard 2 piece as per manufacturer (can be plastic, aluminium or carbon fiber)

6/2: Stiffener plate can be fitted to front underside

7. NERF AND CRASH BARS

7/1: Front crash bars are allowed as per body specifications

7/2: Rear crash bars may be fitted but must stay inside the confines of the body

8. BRAKES

8/1: Must be fitted and operational

8/2: Only manufacturer's standard braking system allowed

8/3: Four wheel braking system is not allowed

DIRT MODIFIED SPECIFICATIONS

9. SUSPENSION

9/1: Standard length as per manufacturer

9/2: Shock oil and springs not restricted

9/3: Maximum of 4 shocks only

10. WHEELS AND TYRES

10/1: Aftermarket copies are allowed but have same dimensions as original

10/2: Front = 170 x 60

Rear = 170 x 80

11. WINGS

11/1: Wings are not allowed but rear spoilers are allowed and must not protrude outside of body

12 . FUEL / TANK

12/1: FUEL; Pump Fuel Only to maximum 98 octane. No other fuels or additives are allowed other than 2 stroke oil

12/2: Tank = Must be mounted securely within vehicle

13. KILL SWITCH

13/1: Must be fitted and operational and identified by a blue triangle on body

13/2: Third channel / remote kill switch is recommended but not mandatory

14. RADIO / ELECTRICS

14/1: 2.4GHz band radio only

14/2: 'D' boxes / Gyros are not permitted

14/3: ONE only Transponder is to be fitted as near as possible behind front axle

DIRT MODIFIED SPECIFICATIONS

15. RACE NUMBERS

15/1: Must be minimum 75mm high x 50mm wide each number

15/2: Must be fitted to both side of body and on roof

15/3: Number to have state letter adjacent (**REFER TABLE 1.**)

15/4: Current state champion may display the numeral "1" with state letter

15/5: Current Australian champion may display "A1" as their number.

SPEEDCAR / MIDGET SPECIFICATIONS

1. GENERAL

1/1: Appearance must resemble full size speedway Midget / Speedcar, modern or vintage style.

1/2: Cars must be based on Smartech / Carson Style Chassis / River Hobbies Crocodile / FG Marder / Hobby pro Mutilator, Chassis only

1/3: Alloy components that resemble commercially available and fitted to the approved vehicle are allowed.

2. MODEL DIMENSIONS

2/1: Maximum Overall length = 850mm

2/2: Maximum Body width = 250mm

2/3: Maximum Wheelbase as per manufacturer = 476mm

2/4: Maximum Width Front = 425mm

2/5: Maximum Width Rear = 450mm

2/6: Maximum Height from chassis 330mm

3. ENGINE

3/1: Maximum Engine Capacity = 23cc as supplied by manufacturer

3/2: Zenoah G230RC / G240RC / or like CY 23cc engines are allowed

3/3: Engine must remain standard as per manufacturer's specifications

3/4: Non Standard Air Filter can be fitted

3/5: INTAKE: Carburettor from listed engines only. Bearing modification (or ball race) on main shaft allowed. No other modification allowed to the approved Carburettor

3/6: Exhaust must be standard can type as per engine manufacturer, no power pipes

3/7: Engine noise must not exceed 95dba measured from 10M from model using an approved measuring device.

4. DRIVELINE

4/1: Diff ratio as fitted by manufacture of vehicle. No lock diffs or Adjustable Diffs

4/2: Metal Gear upgrades are permitted

4/3: Single Speed gearbox only gear ratios may be changed

4/3A: Gear ratios: DIFF: Open, must be commercially available

SIDE GEARS: Open, must be commercially available

4/4: Clutch must remain standard as per manufacturer

4/5: **Only Two wheel Drive permitted (no 4WD)**

SPEEDCAR / MIDGET SPECIFICATIONS

5. BRAKES

5/1: Brakes are to remain standard, no hydraulic or 4 wheel systems allowed

6. SUSPENSION

6/1: Shock absorbers, springs and oils to be unrestricted.

6/2: Mounting points for shocks may be moved on to chassis / cage

6/3: Maximum of 4 shocks only

7. WHEELS AND TYRES

7/1: Tire size max = 170mm diameter x 80mm wide

7/2: Wheel adaptors are permitted

8. FUEL / TANK

8/1: Fuel = Pump Fuel Only to maximum 98 octane. No other fuels or additives are allowed other than 2 stroke oil

8/2: Tank = Must be made of leak proof material and mounted securely within the vehicle

9. CRASH / NERF BARS / CAGE

9/1: Cage to be constructed of Maximum 3/8" or 10mm steel tubing

9/2: Must have rear and side crash bars, side bars must not be wider than rear wheel width / front bar is optional

9/3: Wings are NOT allowed

10. KILL SWITCH

10/1: Must be fitted and operational and identified by a blue triangle on body

10/2: Third Channel / remote kill switch is recommended but not mandatory

11. RADIO / ELECTRICS

11/1: 2.4GHz band radio only

11/2: 'D' boxes / and or Gyro's are NOT permitted

11/3: ONE only Transponder is to be fitted as near as possible behind front axle

SPEEDCAR / MIDGET SPECIFICATIONS

12. RACE NUMBERS

12/1: Must be 70mm high x 50mm wide each number (with the exception of number 1 which is 70mm high x width to scale)

12/2: Must be fitted to both sides of tail tank, and on front of car in contrasting colors

12/3: Must have state letter adjacent, (**REFER TABLE 1.**)

12/4: Current state champion may display numeral "1" with state letter

12/5: Current Australian champion may display "A1" as their number.

AMCA SPECIFICATIONS

1. GENERAL

1/1: Appearance style of body to resemble the AMCA speedway division

1/2: Front and Rear crash bars may be fitted to vehicle

2. BODY DIMENSIONS:

2/1: **Maximum Overall Length 720mm**

2/2: **Maximum Overall Width 380mm**

2/3: **Maximum wheel Base as per manufacturer 476mm**

3. ENGINE

3/1: Maximum 23cc must be as supplied by manufacturer

3/2: Zenoah G230, G240 and similar capacity CY engines are permitted

3/3: Standard two shoe clutch only 6000 - 8000 rpm springs only

3/4: Exhaust Standard box style muffler as supplied by listed engine manufacturers. Engine noise must not exceed 95dba from a distance of 10M from model, using an approved measuring device.

3/5: Air filter is open, Intake manifold can be changed but must not exceed 31mm in length including gaskets.

3/6: Carburettor from listed engines only. Bearing modification (or ball race) on main shaft allowed. No other modification allowed to the approved Carburettor

4. DRIVELINE

4/1: Differential must remain operational with no modifications of friction enhancing

4/2: Diff Ratio as fitted by manufacturer of vehicle. No locked diffs, To clarify standard as between 19 - 48 and 21 - 45 Primary drive Ratio between 2.55 and 2.19 ratio

4/3: Single speed gearbox only

4/4: Use of CVD Shafts and Ball drive shafts allowed

5. CHASSIS

5/1: Is to be based on Smartech / Carson / Duratek Traveller / River hobby Crocodile / Hobby pro Mutilator.

5/2: All Aluminium Billet parts are allowed

5/3: Alloy steering arms and hubs are allowed to be fitted

6. TYRES

6/1: Knobby tires and rims as supplied by manufacturer of vehicle, exception Hobby pro Mutilator tires are not allowed.

AMCA SPECIFICATIONS

7. SUSPENSION

7/1: Standard shock mounting points to be used

7/2: Shock absorbers, springs and shocks oil type open

7/3: Maximum of 4 shocks only

8. BRAKES

8/1: To remain standard no hydraulic or 4 wheel brakes allowed

9. FUEL

9/1: Pump Fuel Only to maximum 98 octane. No other fuels or additives are allowed other than 2 stroke oil

10. KILL SWITCH

10/1: Must be fitted and operational and identified by a blue triangle on body

10/2: Third channel kill switch recommended but not mandatory

11. RADIO

11/1: D boxes and or Gyros or similar are not permitted

11/2: ONE only Transponder is to be fitted, as near as possible behind front axle.

11/3: 2.4GHz band radio only

12. RACE NUMBERS

12/1: Must be 70mm high x 50mm wide, with the exception of number 1 which is 70mm high x width to scale.

12/2: Must be fitted to both sides of body in a contrasting colour.

12/3: Must have state letter adjacent. **(REFER TABLE 1.)**

12/4: Current state champion may display the numeral "1" with state letter adjacent.

12/5: Current Australian champion may display "A1" as their number.

LATE MODEL SPECIFICATIONS

1. GENERAL

1/1: appearance must resemble full size Late Model Speedway Car

1/2: Must be based on a Baja B5 platform from the following Manufacturers HPI / ROVAN SPORTS / KING MOTOR

1/3: Body is Mandatory see Body Specifications below

1/4: Aluminium upgrade to replace plastic parts permitted

1/5: All measurements for this model are measured from extreme points

2. Model Dimensions W/Body Fitted

2/1: Model Length W/Body Fitted (overall): maximum 1200mm

2/2: Model width Front : maximum 480mm

2/3: Model width Rear : maximum 510mm

2/4: Body Must be made from Max. thickness : Plastic 3mm/ Aluminium 1.2mm / fiberglass 3mm

2/5: Body Nose Cones: Must be a wedge/top flared side nose cone unique to Late Model Sedan- Sides of nose cone sits Higher than the Guards. **(REFER DIAGRAM 1.)**

2/7: Body width Front : maximum 510mm

2/8: Body width Rear : maximum 530mm

3. ENGINE

3/1: Minimum engine capacity 22.5cc(23cc) up to 31.8cc (32cc) as supplied by Zenoah / CY Chang Yung / King Motor KM or Rovan

3/2: Engines MUST remain internally stock, NO internal modifications allowed (no porting heads not allowed, cleaning of castings or Scavenger plates not allowed)

3/3: Air filter and exhaust may be changed (as per model outlines below)

3/4: reed valve engines or add-ons are NOT PERMITTED

3/5: **NO RACE BUILD MOTORS** permitted fitted

3/6: ignition system MUST remain standard as pre manufactures design including Spark plug LEAD. (Mechanically fitted timing coil only as per manufactures design)

3/7: flywheel MUST remain standard (as pre manufactures spec. and design)

3/8: Clutch MUST remain standard as fitted to used engine (clutch springs OPEN min 5K to 9K rpm springs)

3/9: After market pull starts allowed (including electric self starters as long as a Killer-Bee

safety shut down is fitted and tested at the start of every meet and model is only turned on at test bench and after placement on track engine start areas of the track) and turned off after the end of the heat/race before removal off track.

3A. ENGINE modifications

3A/1: exhaust : non-standard is permitted MUST be within body with no parturitions out side and will stay contained with in the models body. Engine noise MUST be BELOW and not exceed **95Db**a from a distance of 10m from the model at idle (with an approved measuring device)

LATE MODEL SPECIFICATIONS

3A/2: INTAKE; carburetors from listed engines only (replacement carburetors allowed WALBRO WT-603 (X),668,989,(997),771,813,(998),990 OR 1107 ALLOWED .(bearing Modification on main Shaft only allowed. Removal of choke shaft NOT allowed).

3A/3: open spark plugs (no restriction)

3A/4: Porting Polishing is NOT permitted (no removal of any materials)Z

3A/5: Gaskets MUST be paper type (production thickness) no copper Gaskets allowed (this excludes exhaust manifold reinforced metal gasket and copper permitted)

3A/6: Bearings all bearing MUST be stainless steel type, NO ceramic materials permitted

4. Driveline

4/1: Rear wheel drive only

4/2: Lock differentials are NOT permitted

4/3: Multi speed gear box is NOT permitted

4/4: Axle extenders permitted

4/5: All gears MUST be straight cut (no heli coil cut types allowed)

5. Front Axle

5/1: Standard as pre manufactures either E-Clipped , Screwed in or Pinned

5/2: Extenders Permitted

6. Chassis

6/1: MUST resemble a standard 2 piece as per Manufactures design (can be plastic , aluminium or carbon fibre)

6/2: Stiffener plates can be used on front under side ONLY, and only this one is permitted

7. Nerf and Crash Bars

7/1: front bumper Permitted MUST be under nose cone of body

7/2: Rear crash bar may be fitted but MUST stay inside the confines of body

8. Brakes

8/1: MUST be fitted and operational

8/2: Only manufactures standard of braking systems allowed (NO four wheel-hub braking systems are to be used) ,use of upgraded pads and disks are PERMITTED.

8/3: Four wheel braking systems are not permitted

LATE MODEL SPECIFICATIONS

9. Suspension

- 9/1:** Standard length as per manufactures for B5 front/rear shock lengths (open placement of shock permitted
I.E. both rears on the out side both front on the inside MUST use 2x Front and 2x Rear)
- 9/2:** Shock Oil and Springs are OPEN and not restricted
- 9/3:** Maximum of Four Shocks only

10. Wheels and Tyres

- 10/1:** Aftermarket copies are allowed but MUST have same dimensions as original (MUST be commercially available for B5) tyres may be used in any configuration (I.E. all rears or any mix of front/rears)

11. Wings

- 11/1:**Wings are NOT permitted (but for the rear spoiler fixed and connected all the way along the rear of the body and MUST not protrude outside of the body)

12. Fuel and Fuel Tank

- 12/1:** fuel tank MUST be secured within the model and MUST NOT be between model and body.
- 12/2:** Fuel = unleaded / premium unleaded with only two stroke oil additive only ,no race fuel or additives allowed MUST be 98 octane or lower.

13. Kill Switch

- 13/1:** in the case above (electric start and condition of use) MUST be INSTALLED Killer Bee type
- 13/2:** identification of kill switch MUST be with a blue triangle on the body with the switch having clear access to stop the engine or placed on the body with the blue triangle point to the button.

14. Radio / Electrics

- 14/1:** 2.4GHz banded radios are only used
- 14/2:** any form of Driver assistance is NOT allowed all forms of “D boxes” and ABS braking and throttle mixing systems are PROHIBITED and MUST NOT BE USED.
- 14/3:** placement of Transponder is to be behind the front axle and as close as possible to just behind front axle

15. Race Numbers and State Letter

- 15/1:** Must be minimum size 70mm high by 50mm wide for each numeral (excluding “1” that can be done to scale of numbers)
- 15/2:** Must be fitted to the left and right side panels and on the roof
- 15/3** MUST have state letter adjacent scale to size (as done in full size) (**SEE TABLE 1**)
- 15/4** Current state champion may display the numeral “1” with state letter.
- 15/5** Current Australian champion may display “A1”.

BIKE SIDECAR

1. ENGINE

- 1/1: Engine maximum capacity 23cc as supplied by engine manufacturer
- 1/2: Zenoah G230, G240 and similar CY 23cc engines permitted
- 1/3: Standard two shoe clutch only, 6000 - 8000 rpm springs only
- 1/4: Exhaust is open, must be fitted
- 1/5: Air filter is open
- 1/6: Rotation of carburettor is permitted, Maximum length of insulator block is 31mm including gaskets.

2. RADIO

- 2/1: D boxes and/or Gyros or similar are not permitted
- 2/2: ONE only Transponder is to be mounted behind front axle
- 2/3: 2.4 GHZ radio only

3. FUEL

- 3/1: Unleaded or Premium unleaded and oil only. No fuel additives other than oil may be used

4. DRIVELINE

- 4/1: Open, must be rear wheel drive only

5. DIMENSIONS

- 5/1: All measurements are to be taken from the front wheel centreline
- 5/2: Rear wheel can be offset to a maximum of 20mm to the right
- 5/3: ~~Left side chair wheel centreline maximum 240mm~~ (Revoked 9/7/19)
- 5/4: Right side kneeling pad maximum 130mm
- 5/5: Left side overall width maximum 330mm

6. APPEARANCE

- 6/1: Bike / Sidecar fairings must resemble the 1000cc class

7. WHEEL BASE

- 7/1: maximum 570mm

BIKE SIDECAR

8. WHEELS AND TYRES

8/1: Open to brand and style

8/2: Diameter maximum 178mm (7inches)

8/3: Width maximum 75mm

9. SUSPENSION

9/1: FRONT: Must be fitted

9/2: REAR: Optional

10. BRAKES

10/1: Not Required

11. KILL SWITCH

11/1: Must be fitted and operational and identified by a blue triangle on body

11/2: Third channel remote kill switch recommended but not mandatory

12. RACE NUMBERS

12/1: Must be minimum 40mm high x 25mm wide each number, with the exception of number 1 which is 40mm high x size to scale.

12/2: Must be fitted to front and side in contrasting colours.

12/3: Must have state letter adjacent. (**REFER TABLE 1.**)

12/4: Current state champion may display the numeral "1" with state letter.

12/5: Current Australian champion may display "A1" as their number.

TABLES

TABLE 1.

AT = AUSTRALIAN CAPITAL TERRITORY

N = NEW SOUTH WALES

NT = NORTHERN TERRITORY

Q = QUEENSLAND

S = SOUTH AUSTRALIA

T = TASMANIA

V = VICTORIA

W = WESTERN AUSTRALIA

DIAGRAMS

DIAGRAM 1.



NOTES

As at 19 Sept 2018, The national rules can be downloaded at
<http://www.vqs.org.au/wp-content/uploads/2017/08/AARCMCC-v1.4.pdf>

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