

CLUB RULE BOOK

EFFECTIVE 12th Sept 2022

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









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 12 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** There will be zero tolerance to verbal, physical or inappropriate behaviour on fellow competitors and volunteers anywhere in our venue. 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.

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.

1. STATE AND NATIONAL 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 and PROCEDURE (Club meetings)

- **2.1** Lap distance and format according to event circumstances and requirements.
- (Suggestion only) $2 \times 12-15$ lap heats. Random draw for first heat then complete inversion for second. 1×30 lap final. Highest points to the front.
- 2.2 The arrangements of the heats and the number are left to the discretion of the steward or event organiser.
- 2.3 Heats: Maximum 10 drivers
- 2.4 A Main Final Maximum of 12 drivers
- **2.5** The 10 highest placed drivers from the heats will qualify directly into the A main. Top 4 drivers from the C main will transfer to the back of the B main. Top 2 drivers from the B main will start 11th and 12th in the A main.
- **2.6** Racing will take place on a damp track with no standing water. The decision on whether a track is wet or too rain affected will rest with the steward/track committee.
- 2.7 The steward/track committee is solely responsible for the decision to stop a race in the event of rain.
- **2.8** Delayed starts: (finals Only) As long as the starter has not called the cars to the start line any participant may request a delay of 5 minutes to carry out repairs on their car. This delay can be granted only once for each final. The track is closed unless the delay is requested as a result of frequency or radio problems.

3. REQUIREMENTS TO BE ELIGIBLE TO RACE IN A FINAL

A minimum of 50% of heat races must be attempted before a member can compete in a final feature race.

Unless all competitors in that class unanimously agree to allow the driver to compete.

4. 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 West Oz 1/4 Scale Association rule book 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.

5. 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.

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

6. 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 restart in position.

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. Maintenance must be completed within 2 minutes or the car will be deemed inoperable and retired from the race.

The car's driver permitted to do maintenance at the pit gate only. Car must remain on the track. This will be at the discretion of officials.

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

- 7.1.1 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.
- 7.1.2 If a race is stopped before the last running car completes the first lap, on the first start there shall be a complete restart. On the second start the primary cause of the stoppage must go rear of field. The third start to be single file restart with primary cause of the stoppage to go rear of field.
- 7.1.3 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
- 7.1.4 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,
- 7.1.5 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.

8. 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.

9. 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.

10. INTERRUPTION TO RACE

In the event of an interruption of finals the following procedure will be used:

- A) of 20 or more laps have been run in the A final, the results at the moment of the interruption will be the final result. For C and B finals the entire race will have to be rerun.
- B) When the interruption takes place less than 20 completed laps the race is to be determined a non event and will be rerun in its entirety.

C)

11. 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.

12. 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)

13. 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.

14. 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 marshall, 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, marshals 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.

15. 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 "Raceceiver" 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.

16. REMOTE KILL SWITCH

Remote operated kill switch to be fitted and operational in all cars at all times. If a remote kill switch fails in a race meeting, at the race directors discretion, the car may be allowed to continue that race only. On completion of a race, all cars must be remotely shut off before the pit gate is opened.

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.

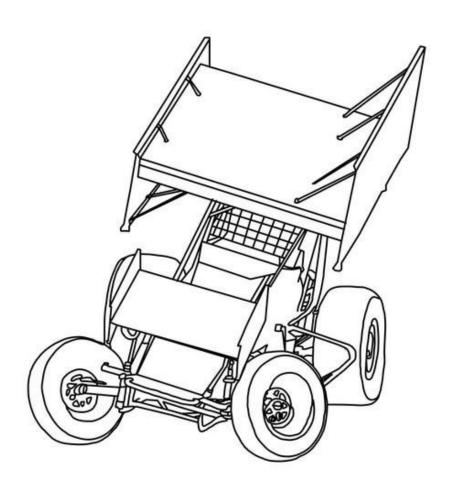
West Oz Quarter scale Association reserves the right to enforce this Acceptable Use policy at its discretion. West Oz Quarter scale Association may remove any posted messages that it considers to be in breach of our general Social Media Policy, this Policy.

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 OZ 1/4 SCALE SPEEDWAY ASSOCIATION CLASS RULES



Effective 12th September 2022

Rules to remain in force for a minimum period of 12 months. Changes to <u>club</u> rules to be proposed and voted for acceptance at the clubs AGM. Changes to class rules must be proposed to RCRA before acceptance.

During the RCRA Australian Titles each year there is to be a section meeting held at a time suitable to the host club.

RCRA State voting -1 state 1 vote

CONTENTS:

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GLOSSARY OF TERMS

Commercially Available: sold in a shop/store/online, available for anyone to purchase currently or in the past.

Brakes Must be fitted and operational: Brakes when applied must have resistance to slow the car significantly.

Components: A part or parts or element of a larger whole i.e., bolt on parts **Standard:** used or accepted as normal or average, refers to typical, stock or regular. **Race Director/ Chief Steward:** Person(s) in charge of the event.

Race Control: Person(s) in control of the race, usually in the timing box, includes flag wavers

RACE NUMBERS

1: Must be minimum 70mm high and 50mm wide each number

2: Must be fitted to both sides of the vehicle and roof for the Dirt Modified, Late Model, Sedan and AM-CA classes. Fitted to both sides of the wing boards for Sprintcar class and to both sides of the tail tank for Speedcar and Sprintcar class, can be fitted to either both sides of the body or tail tank for the Wingless class in contrasting colour.

3: Number must have state letter adjacent to side numbers

AT = AUSTRALIAN CAPITAL TERRITORY

N = NEW SOUTH WALES

NT = NORTHERN TERRITORY

Q = QUEENSLAND

QB = QUEENSLAND BUNDABERG

QM = QUEENSLAND MARYBOROUGH

QS = QUEENSLAND SOUTH

S = SOUTH AUSTRALIA

V = VICTORIA

VH = VICTORIA HALLAM

W = WESTERN AUSTRALIA

4: Current State Champion may display number #1 next to their state letter

5: Current Australian Champion may display A1 as their number

SPRINTCAR SPECIFICATIONS

1. GENERAL

1/1: Appearance must resemble a full size Sprintcar.

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

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" / 508mm (measured to outside of tires)

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

2/4: WHEELBASE; Minimum 20" / 508mm Maximum 24"/ 609mm

3. ENGINE

3/1: Maximum engine capacity 25.4cc (26cc) as supplied by engine manufacturer (26cc barrel kit may be fitted to smaller engines but must be same specification i.e., 25.4cc standard 28mm crank non-stuffed.)

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 R230 / R260 / F230 / F260 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 6k-8k

3/9: Aftermarket Pull Start permitted with catch fitted on Flywheel

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 WT-603(x), 668, 989, (997), 771, 813 (998) and 990 Bearing Modification on main shaft allowed. Removal of Choke shaft allowed.

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

3A/6: Gaskets must be paper or steel reinforced type as provided stock by the engines manufacturers. No copper or homemade gaskets allowed, no thinner gaskets allowed.

SPRINTCAR SPECIFICATIONS continued:

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 5/16" / 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: Front tires maximum diameter 160mm, width 70mm

10/2: Rear tires maximum diameter 180mm, width 120mm

11. WINGS

11/1: Top wing- Maximum 18" / 455mm long x 15" / 380mm wide centre / 410mm (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 (including sides) Front sides- Maximum 6 1/2" / 165mm long x 3" / 75mm high

11/3: Mounting of wings – must be solid mount (fixed)

12. FUEL / TANK

12/1: Fuel: Pump Unleaded / premium unleaded with oil additive only. No other fuels or additives are allowed.

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

SPRINTCAR SPECIFICATIONS continued:

13. KILL SWITCH

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

13/2: Third Channel - Remote Kill Switch / Failsafe is mandatory and operational

14. RADIO / ELECTRICS

14/1: 2.4GHz band radio only

14/2: 'D' boxes/and or gyros are NOT allowed, includes any type of assistance e.g., AVC

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

SEDAN SPECIFICATIONS

1. GENERAL

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

2. MODEL DIMENSIONS

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

2/2: WIDTH; maximum 20" or 508mm (measured to outside of tires and must include body width)

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 25.4cc (26cc) as supplied by engine manufacturer (26cc barrel kit may be fitted to smaller engines but must be same specification i.e., 25.4cc standard 28mm crank non-stuffed.)

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 R230 / R260 / F230 / F260 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 6k-8k

3/9: Aftermarket Pull Start permitted with catch fitted on Flywheel

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 WT-603(x), 668, 989, (997), 771, 813 (998) and 990 Bearing Modification on main shaft allowed. Removal of Choke shaft allowed.

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

3A/6: Gaskets must be paper or steel reinforced type as provided stock by the engines manufacturers. No copper or homemade gaskets allowed, no thinner gaskets allowed.

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

SEDAN SPECIFICATIONS continued:

6. CHASSIS

6/1: To be constructed from 3/8" or 10mm round steel tubing or 5/8" or 16mm box type. Plate chassis or partial plate chassis not allowed. Mounting plates 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 are permitted; must resemble full size car.

10. WHEELS AND TYRES

10/1: Front tires maximum diameter 170mm width 75mm

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

10/3: Tires 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

12. FUEL / TANK

12/1: Fuel: Pump Unleaded / Premium unleaded with oil additive only. No other fuels or additives allowed

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 may be identified by a blue triangle on body

13/2: Third Channel - Remote Kill Switch / Failsafe is mandatory and operational

14. RADIO / ELECTRICS

14/1: 2.4GHz band radio only

14/2: 'D' boxes/and or gyros are NOT allowed, includes any type of assistance e.g., AVC

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

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 Platform from the following Manufacturers HPI / Rovan Sport / King Motor

1/3: Body is mandatory see body specifications below

1/4: Aluminium upgrade to replace plastic parts and other aluminium stock parts permitted (must be commercially available)

1/5: All measurement for this model is measured from extreme points

2. MODEL DIMENSIONS w/BODY FITTED

2/1: MODEL LENGTH w/Body Fitted (OVERALL Length): Maximum 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 panel material Plastic 3mm / Aluminium &

Fiberglass 1.2mm

2/6: BODY: Maximum width 480mm

3. ENGINE

3/1: Maximum engine capacity 25.4cc (26cc) as supplied by engine manufacturer (26cc barrel kit may be fitted to smaller engines but must be same specification i.e., 25.4cc standard 28mm crank non-stuffed.)

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

3/3: Air filter and exhaust may be changed (as per modifications outlined below)

3/4: Permitted engines are: Zenoah G230RC/G240RC/G260RC/G270RC or equivalent CY R230/ F230/ R260/F260 or FUELIE (KS) engines and equivalent Rovan / King Motor Engines

3/5: Reed valve engines are NOT permitted

3/6: Ignition system must remain standard as per engine manufacturer including spark plug lead, mechanically fixed timing coil only.

3/7: Flywheel must remain standard

3/8: Clutch must remain standard as fitted to listed engines 6k to 8k springs

3/9: Aftermarket Pull Start permitted with catch fitted on Flywheel

DIRT MODIFIED SPECIFICATIONS continued:

3A. ENGINE MODIFICATIONS

3A/1: EXHAUST: Non-standard is permitted and must not be longer than the body, 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 WT-603(x), 668, 989, (997), 771, 813 (998) and 990 Bearing Modification on main shaft allowed. Removal of Choke shaft allowed.

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

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

3A/4: Porting and Polishing is **NOT** permitted (**No removal of any material**)

3A/5: Gaskets must be paper or steel reinforced type as provided stock by the engines manufacturers. No copper or homemade gaskets allowed, no thinner gaskets allowed.

3A/6: Bearings must be of stainless-steel type, **NO** ceramic material permitted

4. DRIVELINE

4/1: Rear wheel drive only

4/2: Locked differentials are NOT permitted

4/3: Multi speed gearbox is NOT permitted

4/4: Axle Extenders Permitted

5. FRONT AXLE

5/1: Standard as per manufacturer either e-clip or screwed in.

5/2: Axle Extenders Permitted

6. CHASSIS

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

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 i.e., RPM Front Bumper

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

DIRT MODIFIED SPECIFICATIONS continued:

8. BRAKES

8/1: Must be fitted and operational

8/2: Only manufacturer's standard braking system allowed (disc mounted on hex hub of driveshaft) Upgraded pads and discs allowed

8/3: Four-wheel braking system is not permitted

9. SUSPENSION

9/1: Standard length as per manufacturer for 5B Front/Rear

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 (Must be commercially available for the Baja 5B)

10/2: Front = 170×60 Rear = 170×80

11. WINGS

11/1: Wings are NOT permitted but rear spoilers connected all the way along the rear of the body are permitted and must not protrude outside of body

12. FUEL / TANK

12/1: Fuel: Pump Unleaded / Premium unleaded with oil additive only, no other fuels or addi-

tives are allowed

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

13. KILL SWITCH

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

13/2: Third Channel - Remote Kill Switch / Failsafe is mandatory and operational

14. RADIO / ELECTRICS

14/1: 2.4GHz band radio only

14/2: 'D' boxes/and or gyros are NOT allowed, includes any type of assistance e.g., AVC

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

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 Hobby Crocodile / FG Marder / Hobby Pro Mutilator, Chassis only

1/3: Alloy components that resemble commercially available and fitted to the approved vehicle is 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 22.5cc (23cc) as supplied by manufacturer 3/2: Zenoah G230RC / G240RC / and CY R230 / F230 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 WT-603(x), 668 (997), 771, 813 (998), 989 and 990 Bearing Modification on main shaft allowed.

Inlet manifold may be changed maximum thickness including gaskets 31mm 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.

3/8: Clutch must remain standard as fitted to listed engines 6k to 8k springs

3/9: Aftermarket Pull Start permitted with catch fitted on Flywheel

3/10: Gaskets must be paper or steel reinforced type as provided stock by the engines manufacturers. No copper or homemade gaskets allowed, no thinner gaskets allowed.

SPEEDCAR / MIDGET SPECIFICATIONS continued:

4. DRIVELINE

4/1: Differential must be standard, No locked or adjustable differentials

4/2: Metal Gear upgrades are permitted

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

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

SIDE GEARS: Open must be commercially available

4/4: Clutch must remain standard as per manufacturer 6k to 8k spring permitted

5. BRAKES

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

6. SUSPENSION

6/1: Shock absorbers are open to all aftermarket replacements of same length as original shocks 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 Unleaded / Premium Unleaded with oil additive only. No other fuels or additives are allowed.

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

SPEEDCAR / MIDGET SPECIFICATIONS continued:

10. KILL SWITCH

10/1: Must be fitted and operational and may be identified by a blue triangle on body 10/2:

Third Channel - Remote Kill Switch / Failsafe is mandatory and operational

11. RADIO / ELECTRICS

11/1: 2.4GHz band radio only

11/2: 'D' boxes/and or gyros are **NOT** allowed, includes any type of assistance e.g., AVC 11/3: ONE only Transponder is to be fitted as near as possible behind front axle

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. MODEL DIMENSIONS

2/1: Maximum Overall Length: 800mm

2/2: Maximum Body Width: 380mm

2/3: Maximum Wheelbase as per manufacturer: 480mm

2/4: Maximum Width Front: 425mm

2/5: Maximum Width Rear: 450mm

2/6: Maximum Height from chassis: 270mm

3. RADIO / ELECTRICS

3/1: 2.4GHz band radio only

3/2: 'D' boxes/and or gyros are NOT allowed, includes any type of assistance e.g., AVC

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

4. ENGINE

4/1: Maximum Engine Capacity 22.5cc (23cc) as supplied by manufacturer

4/2: Zenoah G230 / G240 and CY R230 / F230 engines are permitted

4/3: Standard two shoe clutch only 6k-8k rpm springs only

4/4: Exhaust Standard CAN 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.

4/5: Air filter is open; Intake manifold can be changed but must not exceed 31mm in length including gaskets.

4/6: INTAKE; Carburettor from listed engines only WT-603(x), 668, 989, (997), 771, 813 (998) and 990 Bearing Modification on main shaft allowed. Removal of Choke shaft allowed.

4/7: Aftermarket Pull Start permitted with catch fitted on Flywheel

4/8: Clutch must remain standard as fitted to listed engines 6k to 8k springs

4/9: Gaskets must be paper or steel reinforced type as provided stock by the engines manufacturers. No copper or homemade gaskets allowed, no thinner gaskets allowed.

AMCA SPECIFICATIONS continued:

5. DRIVELINE

5/1: Differential must remain operational with no modifications of friction enhancing

5/2: 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

5/3: Single speed gearbox only

5/4: Use of CVD Shafts and Ball drive shafts allowed

6. CHASSIS

6/1: Is to be based on Smartech / Carson / Duratek Traveller / River Hobby Crocodile / Hobby Pro Mutilator / FG Marder

6/2: All Aluminium Billet parts are allowed

6/3: Alloy steering arms and hubs can be fitted

7. WHEELS AND TYRES

7/1: Wheels are to be Standard FG style square hub or hex wheels

7/2: Tyre Size = 1170mm x 70mm max (must be commercially available)

7/3: Wheel adaptors are permitted.

8. SUSPENSION

8/1: Standard shock mounting points to be used

8/2: Shock absorbers, springs and shocks oil type open

8/3: Maximum of 4 shocks only

9. BRAKES

9/1: To remain standard no hydraulic or 4-wheel brakes allowed

10. FUEL

10/1: Pump Unleaded or Premium unleaded and oil only. No fuel additives other than oil may be used

11. KILL SWITCH

11/1: Must be fitted and operational and may be identified by a blue triangle on body 11/2: Third Channel - Remote Kill Switch / Failsafe is mandatory and operational

LATE MODEL SPECIFICATIONS

1. GENERAL

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

1/2: Must be based on Baja 5B Platform from the following Manufacturers HPI / Rovan Sport / King Motor

1/3: Body is mandatory see body specifications below

1/4: Aluminium upgrade to replace plastic parts and other aluminium stock parts permitted (must be commercially available)

1/5: All measurement for this model is 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 510mm

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 panel material Plastic 3mm / Aluminium & Fiberglass 1.2mm

2/6: BODY Nose Cone: Must be a Wedge/Top Flared Side Nose Cone unique to a Late Model - Sides of Nose cone sits higher than guards.

2/7: BODY WIDTH FRONT: Maximum 610mm

2/8: BODY WIDTH REAR: Maximum 610mm

3. ENGINE

3/1: Minimum engine capacity 28.5cc (29cc) up to Maximum 31.8cc (32cc) as supplied by Zenoah, CY, KM or Rovan

3/2: Engine must remain internally stock, **NO** internal modifications allowed (No Ported heads or Scavenger plates allowed)

3/3: Air filter and exhaust may be changed (as per modifications outlined below)

3/4: Permitted engines are: Zenoah G320RC / Rovan 32cc or Standard Engines up to 31.8cc

3/5: Reed valve engines are **NOT** permitted

3/6: Ignition system must remain standard as per engine manufacturer including spark plug lead, mechanically fixed timing coil only.

3/7: Flywheel must remain standard

3/8: Clutch must remain standard as fitted to listed engines 5k to 8k springs

3/9: Aftermarket Pull Start permitted with catch fitted on Flywheel

LATE MODEL SPECIFICATIONS continued:

3A. ENGINE MODIFICATIONS

3A/1: EXHAUST: Non-standard is permitted and must not be longer than the body, must be contained within the body. Side pipes permitted. 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 WALBRO WT-603(x), 668, 989, (997), 771, 813, (998), 990 or 1107. Bearing Modification on main shaft allowed. Removal of Choke shaft allowed.

3A/3: Non-standard Intake manifold / Air filter are allowed. Maximum length of insulator blocks 35mm including gaskets.

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

3A/4: Porting and Polishing is NOT permitted (No removal of any material)

3A/5: Gaskets must be paper or steel reinforced type as provided stock by the engines manufacturers. No copper or homemade gaskets allowed, no thinner gaskets allowed.

3A/6: Bearings must be of stainless-steel type, NO ceramic material permitted

4. DRIVELINE

4/1: Rear wheel drive only

4/2: Locked differentials are NOT permitted

4/3: Multi speed gearbox is NOT permitted

4/4: Axle Extenders permitted

5. FRONT AXLE

5/1: Standard as per manufacturer either e-clip or screwed in.

5/2: Extenders Permitted

6. CHASSIS

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

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

7. NERF AND CRASH BARS

7/1: Front bumper permitted under nose cone of body

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

LATE MODEL SPECIFICATIONS continued:

8. BRAKES

8/1: Must be fitted and operational

8/2: Only manufacturer's standard braking system allowed (disc mounted on hex hub of driveshaft) Upgraded pads and discs allowed

8/3: Four-wheel braking system is not permitted

9. SUSPENSION

9/1: Standard length as per manufacturer for 5B Front/Rear

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 (Must be commercially available for the Baja 5B, Maximum 170 x 80mm) Rear Wheels and Tyres are permitted to also be fitted on the Front

11. WINGS

11/1: Wings are not allowed but rear spoilers fixed and connected all the way along the rear of the body are permitted and must not protrude outside of body

12. FUEL / TANK

12/1: Fuel: Pump Unleaded / Premium unleaded with oil additive only, no other fuels or additives are allowed

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

13. KILL SWITCH

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

13/2: Third Channel - Remote Kill Switch / Failsafe is mandatory and operational

14. RADIO / ELECTRICS

14/1: 2.4GHz band radio only

14/2: 'D' boxes/and or gyros are NOT allowed, includes any type of assistance e.g., AVC

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

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.

1/7: Gaskets must be paper or steel reinforced type as provided stock by the engines manufacturers. No copper or homemade gaskets allowed, no thinner gaskets allowed.

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 SPECIFICATIONS continued:

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: Remote operated kill switch to be fitted and operational at all times. If a remote kill switch fails in a race meeting, at the race directors discretion, the bike may be allowed to continue that race only. On completion of a race, all bikes must be remotely shut off before the pit gate is opened.

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 PAGE 8)

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

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

WINGLESS SPRINT SPECIFICATIONS

1. GENERAL

1/1: Appearance must resemble a full-size Wingless Sprint Speedway Car and may be of a modern or classic style.

1/2: Must be based on Baja 5B Platform from the following Manufacturers HPI / Rovan Sport / King Motor.

1/3: Frame/Cage: Roll cage to be constructed of maximum 3/8" or 10mm steel tubing

1/4: Aluminium upgrade to replace plastic parts and other aluminium stock parts permitted (must be commercially available)

1/5: All measurement for this model is measured from extreme points

1/6: Wings are **NOT** permitted

2. MODEL DIMENSIONS

2/1: MODEL LENGTH: Maximum overall 990mm

2/2: MODEL WIDTH FRONT: Maximum 480mm

2/3: MODEL WIDTH REAR: Maximum 510mm

2/4: MODEL HEIGHT: Maximum 320mm measured from base of chassis

2/5: BODY PANELS: Must be made from Plastic, Aluminium or Fibreglass.

3. ENGINE

3/1: Maximum engine capacity (28.5cc) 29cc as supplied by engine manufacturer.

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

3/3: Permitted engines are Zenoah G230RC/G240RC/G260RC/G270RC/G290RC, CY R230/F230/R260/F270/F290, or equivalent Fuelie, Rovan or King Motor

3/4: Reed valve engines are NOT permitted

3/5: Ignition system must remain standard as per engine manufacturer including spark plug lead, mechanically fixed timing coil only.

3/6: Flywheel must remain standard

3/7: Clutch must remain standard as fitted to listed engines 6k to 8k springs

3/8: Aftermarket Pull Start permitted with catch fitted on Flywheel

WINGLESS SPRINT SPECIFICATIONS continued:

3A. ENGINE MODIFICATIONS

3A/1: EXHAUST must be standard "can type muffler" only (No tuned / power pipes permitted) and 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 WT-603(x), 668(x), 989, (997), 771, 813 (998) and 990 Bearing Modification on main shaft allowed. Removal of Choke shaft allowed.

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

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

3A/5: Porting and Polishing is **NOT** permitted (**No removal of any material**)

3A/6: Gaskets must be paper or steel reinforced type as provided stock by the engines manufacturers. No copper or homemade gaskets allowed, no thinner gaskets allowed.

3A/7: Bearings must be of stainless-steel type, **NO** ceramic material permitted

4. DRIVELINE

4/1: Rear wheel drive only

4/2: Locked differentials are NOT permitted

4/3: Multi speed gearbox is NOT permitted

4/4: Axle Extenders permitted

5. FRONT AXLE

5/1: Front hubs can be either e-clip or screwed in clip less type.

5/2: Axle Extenders permitted

6. CHASSIS

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

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

7. NERF AND CRASH BARS

7/1: Cars must have front and rear crash bars with side bars being optional

7/2: Plastic style front bars/bumpers are also permitted e.g., RPM

7/3: To be constructed of maximum 3/8" or 10mm diameter aluminium or steel (steel greater than 6mm (1/4") in diameter must be in tube only)

WINGLESS SPRINT SPECIFICATIONS continued

8. BRAKES

8/1: Must be fitted and operational

8/2: Only manufacturer's standard braking system allowed (disc mounted on hex hub of driveshaft) Upgraded pads and discs allowed

8/3: Four-wheel braking system is NOT permitted

9. SUSPENSION

9/1: Standard length as per manufacturer for 5B Front/Rear

9/2: Shock oil and springs not restricted

9/3: Mounting points for shocks may be moved on to chassis / cage

9/4: Maximum of 4 shocks only

10. WHEELS AND TYRES

10/1: Aftermarket copies are allowed but have same dimensions as original (Must be commercially available for the Baja 5B)

10/2: Front = 170×60

Rear = 170×80

12. FUEL / TANK

12/1: Fuel: Pump Unleaded / Premium unleaded with oil additive only, no other fuels or additives are allowed

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

13. KILL SWITCH

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

13/2: Third Channel - Remote Kill Switch / Failsafe is mandatory and operational

14. RADIO / ELECTRICS

14/1: 2.4GHz band radio only

14/2: 'D' boxes/and or gyros are **NOT** allowed, includes any type of assistance e.g., AVC 14/3: ONE only Transponder is to be fitted as near as possible behind front axle

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

DIAGRAMS

DIAGRAM 1. Sedan Body



DIAGRAM 2. Sedan Chassis



DIAGRAM 3. Dirt Mod Nose



DIAGRAM 4. Dirt Mod Nose



DIAGRAM 5. V8 Dirt Modified Body (Example)



NOTES

The RCRA national rules can be downloaded at the West Oz 1/4 Scale Speedway Association website:

http://www.westozspeedway.com/