



AMCC: Brushed Mini Ruleset 2024/25

This class is based on the basis on the principals of close, fair, and low-cost racing. Whilst other makes of car can be used, they must be of similar design and construction to the Mardave Mini Assassin range of cars. Performance is limited by the construction, and cars **should be run “out of the box,” with minor modifications such as manufacturer produced parts.**

The Rules outlined below may not necessarily cover every single aspect of car construction and drivers are required to follow the spirit and intention of these rules if any ambiguity is discovered. If you are in doubt of your car being within the rule set, please ask a Race official (Liam or Mick Hendy) to clarify.

DO NOT JUST ASSUME MAKING CHANGES TO YOUR CAR IS OK.

1 General Rules

- 1.1 Cars may use any make of clear Lexan Austin/Morris/BL Mini shells (NO ABS)
- 1.2 No convertibles or pick-ups can be run.
- 1.3 Spoilers are allowed but must be to the following dimensions.
 - 160mm wide (max)
 - 35mm depth +/- 3mm
 - 25mm side height +/- 2mm
 - 15mm max height from the top off the shell
- 1.4 Windows must be clear, no tint or black out.
- 1.5 Headlamps and grills must be defined. Lights are not allowed to be used on the car.
- 1.6 Shells must have no sharp edges that could cause harm to other racers/marshals or damage the carpet.
- 1.7 Shells must run a minimum clearance of 4mm.
- 1.8 Body and chassis must be securely joined at all times while the car is on the track.
- 1.9 Wheel rim diameter (not the tyre) maximum is 40mm, and 26mm Width
- 1.10 Wheels must be fixed by a single fixing.
- 1.11 Tyre treatments are permitted providing they are on the BRCA allowed water based additive list.
- 1.12 Wheel nuts and/or axles must not protrude more than 2.0mm beyond the outer edge of the wheels. No more than 1.5mm of wheel outer side may be exposed (not covered with foam) on the outer edge of wheels.
- 1.13 Rigid bumpers made from non-resilient materials such as metal are not allowed (except for Juniors). Other sheet materials should be no thinner than 1.5mm, anyone found to be repeatedly damaging the track markings or other racers cars due to running big bumpers will be asked to change to a softer construction of bumper.
- 1.14 The minimum ground clearance of the car, not including the spur gear is 3mm.

2 Gearing

- 2.1 32dp only.
- 2.2 Pinion ranges from 15 tooth to 17 tooth.
- 2.3 48 or 50 tooth spurs ONLY.

3 Motor

- 3.1 Mardave G2, Etronix Sport Tuned Stock 20T & Kamtec K21 BRCA 21t. These cannot be tampered with in anyway, motors may be water bathed, Motor additives are allowed. Motor Spaces can be used.

4 Speed Controller

- 4.1 Any commercially available Mtroniks (Mardave/Kamtec) brushed speed controller with a list price of less than £60 & Hobbywing Quicrun WP1060 Brushed speed controller.

5 Batteries

- 5.1 Batteries must be made up from 4 Sub-C Metal Hydride cells. Pack may be in “stick” or “saddle” format. These must be readily available to purchase. Batteries may be wrapped but the club can ask for the wrapping to be removed for inspection if required.

6 Servo

- 6.1 Any commercially available servo with a list price of less than £50.

7 Chassis and Components

- 7.1 The main chassis component will consist of one continuous sheet of material. It can be either fibreglass, carbon, or Aluminium.
- 7.2 Overall maximum width of the rolling chassis to be 165mm.
- 7.3 Wheelbase is to be 176mm +/-3mm.
- 7.4 Chassis components must be commercially available.
- 7.5 Chassis bottom must be flat with no protruding fixings.
- 7.6 No modifications are allowed to the chassis, but edges may be smoothed, sanded, or sealed.
- 7.7 2 springs may be fitted on the front end, and up to 3 springs may be fitted to the rear.
- 7.8 A solid axle must be used. No differential.
- 7.9 Rolling element (ball) bearings are allowed on the front and rear axles.

If in any doubt, please check with the race officials.

If you wish to run prototype / development parts, this must be cleared with the race officials prior to the race meeting. You will not score championship points if you are running prototype/development parts.

Anyone found in breach of the rules will be asked to finish the meeting early and will not be allowed to finish the race meeting (no refund will be given), this will be followed by a 2 week ban from racing. Repeat offenders will be asked to leave the club permanently.