

M-TC (Mini Touring Car) Class

There are 3 sub classes within the M-TC class. They are :

M-TC 2WD. Any 2WD either front or rear wheel drive chassis conforming to the construction rules below.

M-TC Stock 17.5. Any 4WD chassis conforming to the construction rules below.

M-TC SuperStock 13.5. Any 4WD chassis conforming to the construction rules below.

1 M-TC Construction Parameters

1.1	Maximum Track Width.	168mm
1.2	Wheelbase	208 - 227mm
1.3	Minimum weight	1200 grams
1.4	Minimum ride height	5.0mm

2 M-TC Wheels & Tyres General

- 2.1 Water based tyre additives are allowed at the discretion of the club / organiser. For national series please refer to section 15.
- 2.2 Wheel nuts / fixings must not protrude past the outer edge of the wheels by more than 2.0mm.
- 2.3 If entry numbers permit, and at the discretion of the club / organisers, qualifying and finals may be split into heats of 2WD, 4WD Stock and / or 4WD SuperStock.

M-TC Wheels & Tyres 4WD SuperStock

- 2.4 Foam tyres only.
- 2.5 All wheels and tyres must be commercially available.
- 2.6a Maximum wheel diameter 43mm.
- 2.6b Maximum wheel width 26mm.

M-TC Wheels & Tyres 2WD and 4WD Stock

- 2.7 Rubber tyres only.
- 2.8 All wheels, tyres and inserts must be commercially available.
- 2.9a Maximum tyre diameter 60mm.
- 2.9b Maximum wheel / tyre width 26mm.

3.1 M-TC Body Shell

- 3.1 Any car-based body shell designed for 210mm / 225mm wheelbase.
- 3.2 NO TRUCKS OR SINGLE COCKPIT SHELLS.
- 3.3 Maximum Roof height (excluding wing) 145mm.
- 3.4 Only spoilers or wings included with the body are allowed.
- 3.5 The body shell must be painted with windows left clear or tinted but NOT blacked out.
- 3.6 Body shells must be of Polycarbonate / Lexan form. ABS or any other hard plastics are not allowed.
- 3.7 Body posts are not to extend further than 15mm past the fixing pin securing the body shell.
- 3.8 Lights and grills should be visible if defined in the body shell moulding.
- 3.9 Body shells should be trimmed to the manufacturer's defined cut lines.

4 M-TC Motor

- 4.1 The list of control motors for **M-TC 4WD Stock**
 - 4.1a Trackstar 17.5T V2 "Stock"
 - 4.1b Trackstar 17.5T V2 "Outlaw"
 - 4.1c Team Zombie 17.5T "Clubman"
 - 4.1d Team Zombie 17.5T "Insane III"
 - 4.1e Rage 17.5T "Clubman"
 - 4.1f Hobbywing Justock 17.5T G2.1 Fixed Timing.
- 4.2 The list of control motors for **M-TC 4WD SuperStock**
 - 4.2a Trackstar 13.5T V2 "Stock"
 - 4.2b Trackstar 13.5T V2 "Outlaw"
 - 4.2c Team Zombie 13.5T "Insane III"

- 4.2d Rage 13.5T "Clubman"
- 4.3 Motors for **M-TC 2WD** will be limited to 21.5T brushless or 20T brushed sealed can style only (No open brush gear).
- 4.4 Motors for **M-TC 2WD** shall not have a retail price exceeding £65.00
- 4.5 No motor modifications whatsoever.

5 M-TC Speed Controller

- 5.1 Speed Controllers must be running in "Blinky" Mode.
- 5.2 No third-party firmware is allowed.
- 5.3 No dynamic timing (Boost / Turbo) of any kind is allowed.
- 5.4 No Speed Control with a UK Recommended Retail Price exceeding £80.00 Including VAT shall be allowed.

6 M-TC Batteries / Charging

- 6.1 LiPo batteries must be 2 cell (2S), commercially available and hard cased.
- 6.2 In the interest of safety, charging current should not exceed 10A but is at the discretion of the club / organiser.
- 6.3 LiPo battery charging must be carried out with the battery in a fireproof charging bag with any zip or fastener closed.
- 6.4 Fully charged LiPo batteries must not exceed 4.20 volts per cell.

7 M-TC Option Parts

- 7.1 Option parts are defined as any item that is not supplied in the kit that is used to enhance the car in terms of cosmetic appeal, reliability or performance.
- 7.2 Option parts may be those manufactured by your chassis supplier or third parties.
- 7.3 Only option parts designed for M-TC cars are allowed except for:
 - 7.3a Servo saver.
 - 7.3b Track rod ends.
 - 7.3c Springs.
 - 7.3d Shocks.

Series Format and Regulations

8 Eligibility

- 8.1 Any commercially available chassis kit conforming to the construction parameters listed in Section 1 of the rules and guidelines document 2026 MTC BRCA Rules.
- 8.2 Development chassis shall be deemed as that which is under test and not commercially available on the day of the event.
- 8.3 If a development car is being used, the owner must be open to showing the car 'under the hood' and be transparent about the components and details of the car.
- 8.4 The development rule will also apply if a driver is testing a component that forms a significant part of the car's construction, for example, chassis deck or suspension components.
- 8.5 The race director must be made aware of any development hardware being used prior to the drivers briefing.
- 8.6 Failure to disclose the use of developmental products will result in the loss of championship points for that round.

9 Classes Running

- 9.1 M-TC 4WD Stock 17.5
- 9.2 M-TC 4WD SuperStock 13.5
- 9.3 M-TC 2WD

10 Construction Rules

- 10.1 The construction rules for the 2026 BRCA M-TC National series will be those referenced in "Document Reference: 2026 MTC BRCA Rules".
- 10.2 In addition to the above, and in line with other BRCA events the use of reverse is **NOT** permitted.

11 Series Format

- 11.1 Championship scores will be based on each driver's best 50% + 1 [Rounded up] championship round scores.
- 11.2 Each event will have 1 pre-qualifying "Practice" round in heat order, followed by 4 FTQ qualifying rounds, and then 2 final rounds.
- 11.3 Practice, qualifying and finals will take place over 5 minutes.
- 11.4 The grid order for finals round 1 and 2 will be as per the qualification results after the 4 qualifying rounds.
- 11.5 The maximum number of 6 cars in each heat and final. A maximum of 1 extra car may be added to each heat at the discretion of the organisers and host club if there is demand for the extra entries AND the host club confirms their track is suitably sized.
- 11.6 Heats to be planned based on championship ability rating where possible. Re-seeding at the discretion of the race director on the day based off of drivers best 3 consecutive laps in the practice round.
- 11.7 Booking in will close 7 days before each round. The total number of heats is then set, and at the discretion of the organiser, booking in will re-open to fill any remaining spaces in the set heats at an enhanced fee. Final closing of booking in is 3 days before the event.

12 Racing (Practice, Heats and Finals)

- 12.1 It is your responsibility to know what is going on and where you should be.
- 12.2 The race director will hold a drivers briefing at the start of the meeting. Important information will be provided regarding safety and specific details pertaining to the venue as well as the format of the event.
- 12.3 If you are not present at the drivers briefing, you will not be permitted to race.
- 12.4 There will be a designated On / Off area clearly marked on the race circuit. You may only put down or pick up your cars from these points.
- 12.5 You will be expected to be on the rostrum for your race at least 30 seconds before the start. You will not be permitted to join the race after this time.
- 12.6 At the 30 second mark, cars shall leave the "On" area and make their way to the start line. Warm up laps are not permitted.
- 12.7 If you experience a failure, a marshal shall remove your car from the circuit. You should remain on the rostrum until the end of the race.
- 12.8 Once the race finishes, drive your car to the marked "Off" area. Leave the rostrum and collect your car, take it straight to the scrutineer's area.
- 12.9 The use of mobile phones on the driver's rostrum is NOT Permitted.

13 *Marshalling*

- 13.1 You will marshal the race immediately following your own.
- 13.2 The race director will inform you during the drivers briefing where the appropriate marshalling points are.
- 13.3 Once you have placed your car at scrutineering, make your way swiftly to your marshalling post and wear the high vis garment provided.
- 13.4 If you are unable to marshal for any reason, it is your responsibility to seek a stand in for you. Substitute marshals must hold a current BRCA race license unless agreed with the race director before the start of the event.
- 13.5 Once your marshal duties are complete, remove the high vis garment and leave it at the marshal post for the next marshal. No high vis garments are to be worn while driving or in the pits.
- 13.6 The use of mobile phones while marshalling is NOT Permitted.

14 *Scrutineering*

- 14.1 The scrutineer will be appointed by the hosting club.
- 14.2 As a minimum, each car will be checked for:
 - 14.2a Ride Height.
 - 14.2b Weight.
 - 14.2c Track width.
 - 14.2d Battery voltage.
- 14.3 The "Practice" round will not be scrutinised.

15 *Additive*

- 15.1 Additive will only be applied in a designated application area within the pits. This will be defined in the drivers briefing.
- 15.2 The control additive for the event shall not be removed from the application area.
- 15.3 The use of your own additive will not be permitted.