

Eastbourne Electric Car Club

GT-E Rules

(Reproduced from the King of Clubs 2021)



1. Chassis

- 1.1. The only permitted chassis are Tamiya TT02, TT02D, TT02R, TT02RR, TT02-Type S, TT02 Type SR.
- 1.2. No Aluminium or woven fibre reinforced plastic chassis are allowed. Tamiya "Hard Plastic Chassis", such as those plastic tub chassis that are reinforced with glass or carbon fibre chopped strands are allowed.

2. Transmission

- 2.1. Gearing and differentials are open.
- 2.2. Oil filled differentials and locked differentials (spool type) are allowed.

3. Electronics

3.1. **Brushed Speed Control (ESC)**

- 3.1.1. Only the kit supplied Tamiya #45057 ESC TBLE-02, #HW3012006000 Hobbywing Quicrun WP1060 and #HW3012006000 Hobbywing Quicrun WP1080 Brushed ESC speed controls may be used.
- 3.1.2. Three step mechanical speed controllers are not allowed.
- 3.1.3. Configuration of wires must be as supplied, although wires may be cut to length, or extended if necessary.
- 3.1.4. Battery connector may be changed for different connectors (i.e. Deans Ultra, Power poles etc.).
- 3.1.5. Bullet motor connectors may be removed to allow direct soldering to motors or may be changed for different connectors (i.e. Deans Ultra, Power poles etc.).
- 3.1.6. The fitting of a power cap is not allowed.

3.2. **Brushed Motor**

- 3.2.1. HPI Saturn 20T, Firebolt 15T, CoreRC 21T, CoreRC 15T, Team Powers Cup Racer 540 Black Can Stock Motor, Tamiya silver can 540 as per kit, Tamiya Torque Tuned, and Tamiya Sport Tuned motors are permitted.
- 3.2.2. The motors must remain un-tampered, however cleaning of the motor is allowed. This includes the use of cleaning fluids, cotton buds and fibre comm sticks. Running in/comm drops and lubricants are permitted.
- 3.2.3. Anything other than this is not allowed and may result in disqualification from the event.
- 3.2.4. Water dipping of motors is also not permitted.
- 3.2.5. Extra capacitors, power caps and/or schottky diodes may not be fitted to the motor.
- 3.2.6. The use of any form of commutator lathe is strictly forbidden.

3.3. **Brushless Motor & Speed Control (ESC)**

- 3.3.1. #HW30112000 Hobbywing XERUN XR10 JUSTSTOCK ESC is the only permitted brushless esc.
- 3.3.2. #HW30408011 Hobbywing XERUN JUSTOCK G2.1 MOTOR 17.5T FIXED TIMING is the only permitted brushless motor.

3.3.3. #HW38020241 the combo of the above brushless motor and esc may be used as the components are the same.

3.4. Heatsinks and/or cooling fans are permitted but are restricted to those designed with the intent of use on Tamiya TT02 kits. Only one of each item maybe used, not multiples of the same item.

3.5. Batteries

3.5.1. 7.2v Nicad or, Nimh batteries are permitted.

3.5.2. 7.4v Hardcase Lipo batteries are permitted with a maximum capacity of 5000mah and maximum UK rrp of £50. Saddle Pack are specifically not allowed.

3.5.3. Charging of Lipo batteries in particular must be carried out using a lipo battery charger using lipo mode with the battery in a lipo safety charging pouch.

3.6. Radio/Transmitter

3.6.1. 27mhz, 40mhz and 2.4ghz are the only permitted systems.

4. BodysHELLs

4.1. Only Tamiya 1/10 Scale Body Shells can be used. BRCA Approved Touring Car Body Shells are strictly prohibited.

4.2. BodysHELLs must be scale and faithfully replicate a real car in 1/10 scale as faithfully as possible (with the exception of the Tamiya Raikiri shell, which is allowed).

4.3. A maximum body shell width of 200mm.

4.4. Pikes Peak, LMP, Pick-up Truck, or NASCAR style bodies are prohibited.

4.5. Wings are only permitted on bodies that either originally came with a wing or where a wing was specified as an option.

4.6. Wings are to be mounted in their original position and may not be mounted on the roof.

4.7. Replacement wings are available:

4.7.1. Tamiya Racing Wing Set (set of 1x Curved wing plus 1x Straight wing) with Tamiya part numbers #54494 (Clear Polycarbonate) or #54688 (Carbon Pattern Polycarbonate).

4.8. Wings may be trimmed to the competitor's preferences, but in any case, must have a wing chord no greater than 40mm at any point, a total height of no greater than 20mm and a width no greater than 190mm at its widest point.

4.9. Polycarbonate wing end plates may be used.

4.10. No additional wheel arch extensions are allowed.

4.11. No cut-outs are allowed in the body except for body posts, antenna and transponder mounting.

4.12. The body shell should be trimmed to the manufacturer's trim line. "Cut-out" rear body panels are not allowed and cabs may not be lowered.

5. Wheels & Tyres

5.2. Wheel and tyre choice is open but tyres must be rubber and commercially available.

5.3. Wet tyres specifically designed for use with touring cars may be used in the wet, we recommend the BRCA controlled Wet Tyre.

5.4. Tyres must not be modified in anyway. This includes belting and rounding of the edges of the tread and adding glue or any other substance to the inside of the tyre or tyre wall, with the exception of super gluing the outer sidewall of the front and/or rear tyres.

5.5. Additive may be used with the exception of any additive containing wintergreen.

5.6. Tyres may be cleaned with water, brake cleaner or additive allowed in 5.3 above.

5.7. Foam tyres are not allowed.

5.8. Tyre warmers are not permitted.

6. **Hop-Ups**

6.1. The following after-market hop-up parts are permitted.

6.1.1. Oil-filled shocks

6.1.2. Ball race bearing kit

6.1.3. Adjustable Steering turnbuckles

6.1.4. Aluminium wheel hexes

6.1.5. Adjustable turnbuckle linkage to servo horn

6.1.6. Aluminium Motor Mount

6.1.7. Aluminium uprights

6.1.8. Rear toe in uprights

6.1.9. FRP top decks

6.1.10. Metal driveshafts (inc. universal joint types)

6.1.11. High torque servo saver

6.1.12. Low friction suspension balls

6.1.13. Aluminium Prop Shaft and prop cups

6.2. Bearings of the same size can be used in place of metal or plastic bushes. Bearing shields may not be removed, ceramic bearings are specifically not permitted.

6.3. Any shims, spacers and O rings can be used for the removal of play in moving parts.

6.4. Aftermarket screw kits maybe used with the exception of titanium or lightweight screw kits.

6.5. Damper and spring units and their attachments are open but must use the standard Tamiya mounting points, or the mounting points as supplied on any commercially available Hop Up that is fitted.

6.6. Suspension components to allow the adjustment of camber and toe on both the front and rear are permitted.

6.7. Anti-roll bars are permitted.

6.8. No other Hop up parts may be used unless notification of change is made during the season.

Latest changes will have been made in red