

Eastbourne Electric Car Club

Tamiya Truck Rules



1. Chassis

- 1.1. The only permitted chassis allowed in the Tamiya Truck class Tamiya 1/14 TT01E On Road Racing Kits #58642 and #58632).
- 1.2. Conversion kits that change the chassis or build of the Tamiya Truck kit are not permitted, the kit must be as per the Tamiya Truck specifications apart from any allowed hop-ups (see section 6).
- 1.3. The wheelbase must be 257mm.
- 1.4. The track must be within the maximum that the kit can be built without adding any aftermarket parts.
- 1.5. There are no minimum or maximum weight restrictions.
- 1.6. The chassis may not be modified to allow batteries larger than those designed for the kit to be used.
- 1.7. Shocks/Dampers must be as per kit including the kit springs.

2. Transmission

- 2.1. Tamiya plastic gear sets must be used, either kit standard gears or the hardened version.
- 2.2. No high-speed gears sets, or gear sets that alter the gearing from standard may be used.
- 2.3. Differentials must be built as per kit instructions.
- 2.4. Any grease maybe used to replace the kit supplied grease. Substances having a consistency similar Blu-Tack and/or not being sold as diff grease may not be used.
- 2.5. The differential must not be locked up, when either wheel is rotated by hand, the opposite wheel must rotate in the opposite direction. The use of additional shims to add resistance to the diff action is strictly forbidden.
- 2.6. Ball differentials, spools and “solid axles” are specifically not allowed.

3. Electronics

3.1. Speed Control (ESC)

- 3.1.1. Only the kit supplied Tamiya #45057 ESC TBLE-02S 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. Motor

- 3.2.1. Only the Tamiya #54358 RS-540 Torque Tuned motors may be used.
- 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. Heatsinks and/or cooling fans are permitted but are restricted to those designed with the intent of use on Tamiya Truck kits. Only one of each item maybe used, not multiples of the same item.
- 3.2.6. Extra capacitors, power caps and/or schottky diodes may not be fitted to the motor.
- 3.2.7. The use of any form of commutator lathe is strictly forbidden.

3.3. Batteries

- 3.3.1. 7.2v Nicad or, Nimh batteries are permitted.
- 3.3.2. 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.
- 3.3.3. 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.

3.4. Radio/Transmitter

- 3.4.1. 27mhz, 40mhz and 2.4ghz are the only permitted systems.

4. Bodyshells

- 4.1. Only bodyshells supplied in the kits are allowed.
- 4.2. No additional wings are allowed.
- 4.3. The wheel arches of the body must cover the width of the tyres, at their tops, when the car is on the ground and ready to run.
- 4.4. No additional wheel arch extensions are allowed.
- 4.5. No cut-outs are allowed in the body except for body posts, aerial and transponder mounting.
- 4.6. 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

- 5.1. Only the kit supplied tyres may be used in any truck class.
- 5.2. Tyres must not be modified in anyway. This includes belting and rounding of the edges of the tread.
- 5.3. Inserts are not allowed.
- 5.4. Additive may be used with the exception of any additive containing wintergreen.
- 5.5. Foam tyres are not allowed.

6. Hop-Ups

- 6.1. Tamiya or other after-market hop-up 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.
- 6.2. Any shims, spacers and O rings can be used for the removal of play in moving parts except within the differential (see section 2.3).
- 6.3. No other Hop up parts may be used, unless notification of change is made during the season.

