

Tamiya Junior-E

Series Overview

The Tamiya Junior-E is a new race series, designed with the aim of attracting new people into the sport of Radio Controlled on-road car racing in partnership with the Tamiya brand.

The goal is to provide a relaxed, fun series with a readily accessible path from the novice racer to fully-fledged Radio-Controlled Touring Cars and beyond.

Regulations will be tightly controlled to ensure that the focus is on driver ability, fairness, and fun.

The series is fully supported by Tamiya UK (Hobby Company Ltd) and as such will only be open to vehicles and parts produced by Tamiya. This offers the opportunity to provide entry-level, cost-controlled racing that will ensure that the focus is on driver ability and education using well-proven, widely available kits that lend themselves to the beginner.

Junior-E is intended to encourage young newcomers to the sport. Minimal modifications to the stock kits are allowed. Driver coaches and Technical Support will be on hand at the circuit and in between races.

Summary Regulations

Drivers

Junior-E is open to drivers under 12 years of age.

There are two categories. A rookies category for drivers with little or no race experience prior to joining Junior-E, and a juniors category for more experienced drivers, or for graduates from the rookies.

Other drivers may be permitted at the organiser's discretion.

Cars

Junior-E is a single make stock racing series, using Tamiya TT02 cars with a limited selection of race parts, a Tamiya Torque Tuned brushed motor with a fixed gear ratio (6.55), Tamiya scale body shells and stock racing tyres.

Permitted Cars: Tamiya TT02, TT02D, and for a limited time TT01, TT01E

Permitted Optional Chassis Parts ***UPDATED 30/12/21***

- Servo saver
 - Tamiya TT02 Hi-Torque Servo Saver Set with Aluminium horn **54799**
 - Tamiya Hi-Torque Servo Saver Set **51000**
- Tamiya Low Friction Suspension Balls part number **54559**
- Tamiya TT-02 CVA Super mini Set Part number **54753**
- Tamiya On-Road Tuned Hard Spring Set part number **53440**
- Tamiya TT-01 Turnbuckle Tie Rod set Part number **53662**
- Tamiya Universal Shaft Part number **53792**
- Tamiya TT-02 Cup Joint for Universal Shaft Part number **54477**
- Tamiya Clamp-style wheel hub (Hex) 5mm. Part no **53823**
- Tamiya TT-02 Aluminum Motor Mount **54558**
- Adjustable turnbuckle steering linkage to the servo horn
 - Tamiya 3x23mm Aluminium Turnbuckle **54248** or **2520022**
 - Tamiya 5mm ball connector adjuster set **50875**
 - Tamiya 5mm ball connector **9804205** or **53642**
- Shimming of parts to remove play with Tamiya shims part numbers -
 - Tamiya 5mm shim set **53587**

- Tamiya 3mm shim set **53585**
- Non-Standard Screws (Not titanium or Aluminium)
- Ball race bearing kit - any

Differentials

Kit differentials must be used and must not be locked up.

When any wheel is rotated by hand, the opposite wheel must rotate in the opposite direction (see full regs for detailed differential check procedure).

Motor and Final Drive Gear Ratio ***UPDATED 30/12/21***

Only the Tamiya Torque Tuned motor is permitted.

A final drive gear ratio of 6.55 must be used, obtained by using the Tamiya High-Speed Gear Set part number **54500** with a Tamiya 0.6 Module Hard Coated Aluminum Pinion gear 27t part number **54981**.

*If using a TT01 or TT01E a final drive gear ratio of 6.56 must be used, obtained by using a 23T pinion and 58T spur gear. TT01/TT01E's may only use Tamiya gearing and will require a Tamiya pinion gear set (50477) and speed tuned gear set (53665).

Electronic Speed Controller (ESC)

Only the Tamiya Tamiya TBLE-02 or the Hobbywing Quicrun 1060 60A speed controllers are permitted.

Batteries

Cars will be powered only by Ni-MH or Ni-CD batteries or by hard-case 2S LiPo/LiFe batteries approved and homologated by the BRCA Electric Board. Full technical data of homologated batteries are available via the BRCA Electric Board Website.

Bodyshells and Wings

Only Tamiya body shells may be used.

Any Tamiya body shell can be used.

Original wings are preferred but can be replaced with either of the following options:

A Touring Car wing as long as it meets the dimension requirements set out below.

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

Tyres

Only the RIDE 1/10 BELTED TYRES PRE GLUED SPOKED WHEEL tyres may be used.

Use of additives or tyre warmers is prohibited. Tyres may be cleaned with water or brake cleaner only.

Full Standing Regulations