

# 12 HEURES du Tamiya

Presented by: **Tamiya America** in association with **Tuning Haus**



Welcome to the 1<sup>st</sup> Annual 12 Heures du Tamiya endurance race! This Drivers Manual is your guide to the event. It includes important information regarding the race and its procedures. Please read it carefully.

## Section 1: Entry Fee & Included Items

**Entry Fee:** \$325.00 (*includes tax*) (sign-ups: [www.rccarevents.com](http://www.rccarevents.com)) (By Invitation Only)

**Field Limited to:** 15 teams

**Teams receive the following items:**

- **Tamiya TT-02R** chassis kit [http://www.tamiyausa.com/items/radio-control-kits-30/4wd-shaft-drive-on-road-\(tt\)-36110/rc-tt-02r-chassis-kit-84409](http://www.tamiyausa.com/items/radio-control-kits-30/4wd-shaft-drive-on-road-(tt)-36110/rc-tt-02r-chassis-kit-84409)
- **Tamiya body.** Teams may choose from the 9 on approved list. **NOTE:** (Body & LED unit will be shipped to teams in advance for painting)
- **Tamiya LED Light Unit** (TLU-01) [http://www.tamiyausa.com/items/radio-control-parts-70/hop-up-parts-72000/rc-led-light-unit-\(tlu-01\)-53909](http://www.tamiyausa.com/items/radio-control-parts-70/hop-up-parts-72000/rc-led-light-unit-(tlu-01)-53909)
- **TEU-105BK ESC**
- **540-J type spec motor**
- **GT Spec pre-mounted tires** (1 set)
- **Event T-Shirt!**

## Section 2: Date and Hours

**Event Race Date:** Saturday, October 3, 2015

**Track Hours:** Facility gates open at 7:00 am

## Section 3: Garage Pits

All teams must bring their own tables and chairs along with a quiet generator. All teams must pit under the Tamiya wood awning. Teams are also responsible for bringing their own pit lighting once darkness strikes.

## Section 4: Race Day Schedule

Teams will have 3 hours to assemble and test their Tamiya TT-02R chassis, and then compete in a 12 hour endurance race. This competition is a test of teamwork both on and off the track.

- **7:30am:** All teams receive their car kit.
- **8:00am:** All teams may begin building their cars.
- **8:30am:** Track circuit opens and teams may begin testing their completed cars.
- **11:00am:** Kit assembly and testing conclude.
- **11:00am-12:00pm:** Track Circuit is closed.
- **11:00am:** Concourse, car inspection and team photos.
- **12:00pm-12:00am:** A Safety Car will start the field of 15 cars with a rolling start at noon and the race will conclude at midnight!
- **9:00pm** Noise abatement (explained at drivers meeting)
- Race will run rain or shine (except in case of torrential down-pour).

## Section 5: Car Assembly Rules and Procedures

Upon entering the event, the Tamiya Body Set and Tamiya LED light unit will be shipped to the team captain for finishing. The teams will receive the chassis kit, tires, ESC, and motor the morning of the event.

Upon entering the event online ([www.rccarevents.com](http://www.rccarevents.com)) the team captain will be issued via e-mail an event discount code to purchase extra TT-02R spare parts as well as extra LED lights through the Tamiya America website: [http://www.tamiyausa.com/items/radio-control-kits-30/4wd-shaft-drive-on-road-\(tt\)-36110/rc-tt-02r-chassis-kit-84409](http://www.tamiyausa.com/items/radio-control-kits-30/4wd-shaft-drive-on-road-(tt)-36110/rc-tt-02r-chassis-kit-84409)

The kit manual, spare parts and LED options can all be found from the link above.

### Car assembly Rules:

1. You may only use the kit wing, no polycarbonate racing wings allowed.
2. Body must be cut to trim lines.
3. Race ends at 12:00am. The supplied TLU-01 LED light unit must be used along with body set supplied light buckets and LED's. More LED's may be added at teams discretion. Complete LED selection may be viewed here: [http://www.tamiyausa.com/items/radio-control-parts-70/hop-up-parts-72000/rc-led-light-unit-\(tlu-01\)-53909](http://www.tamiyausa.com/items/radio-control-parts-70/hop-up-parts-72000/rc-led-light-unit-(tlu-01)-53909)
4. You may use as many LED lights as the light buckets will allow. **NOTE:** Some body set light buckets have more room for LED's than others.
5. TLU-02 unit may be used if team wants to further enhance their racecar LED functionality. <http://www.tamiyausa.com/product/item.php?product-id=53937>
6. **Event Tire Limits:** Teams are limited to 3 total sets of tires for the entire event. **A.** The included Tamiya tire and wheel from the kit. **B.** The pre-mount GT Spec tire set, included with the team entry. **C.** Each team may purchase 1 additional set of GT Spec tires at the event. **Note:** All tires will be tagged in TECH.
7. Kit must be built per instructions with few exceptions (**see exceptions section**)
8. You **MAY NOT** omit parts or screws. If the instructions call for a part to be put in and assembled, then you must use that part or screw with your car.
9. Kit screw hardware must be used, no light-weight hardware or alternate hardware.
10. Teams must provide tools, **batteries**, **transponder**, and **radio system**.
11. TEU 105BK ESC includes a Tamiya battery connector. It may be removed and replaced with a red **DEANS** connector **ONLY!**
12. Only Tamiya grease/oils included in kit may be used.
13. Only kit supplied shock springs may be used.
14. The included **68T** Spur & **27T** pinion must be used. (Comes in the kit!) Spec gear ratio!

### Build exceptions:

- A. Heavy duty servo-saver or non-servo saver arm may be used.
- B. ONE 30mm fan may be used. **Suggested mount point:** The stock motor cover.

## Section 6: Race Rules & Procedures

1. **Grid position** will be determined in order of team cars submitted for inspection (parc ferme)
2. **Driver stand** positions will be selected by lottery during drivers meeting
3. **Battery packs:** Any **ROAR** approved 2s LiPo which fits in the chassis compartment is legal.  
**Note:** Square shaped and rounded stick packs fit the TT-02R. MUST use a red DEANS connector on your battery to comply with the "plug and unplug" requirement stated in rule #11 below.
4. The body must be painted using traditional hobby polycarbonate paint. Glow in the dark paint is not permitted.
5. All teams must begin and end the race with their original body set and must use it for the entire race!
6. LED light system must be fully functional and installed before the race starts, but may be turned off during the day-time portion of the race. At hour "X" all teams will be required to turn on their lights. (specific time TBD the day of)
7. Teams must consist of a minimum of 3 to a maximum of 5 members.
8. Driver changes may only occur during pit stops.
9. Teams are encouraged to help each other out. However, there is to be no driver "crossing-over" or "floating" between different teams during the event.
10. Should a team member be required to leave the event for personal reasons, the team may "hire" an additional driver who is not already on another team roster.
11. No battery quick change systems and/or "**fixed in place**" battery connectors allowed. **All battery changes in the pits must involve the act of plugging and unplugging the battery from the speed control.** We recommend making two DEANS/bullet connector adapters to meet the rule requirement. One adapter will be in the car while running and the second adapter will be on your next battery for the next pit stop.
12. **TLU-01** unit comes with a Tamiya battery plug to ESC plug adapter. The adapter allows you to supply power to your LED lights. Two modifications are permitted: **One:** The power leads coming off the TLU-01 unit may be hard wired to the Tamiya ESC power leads. **Two:** You may tap the TLU-01 power leads into your ESC DEANS connector at the solder joint.
13. You must have a minimum of **4 working LED's** during the night portion of the race. You will be required to pit and fix your lights when the race officials see a problem with your lighting.
14. Personal MyLaps/AMB transponder must be used. (**No hand-out transponders will be provided**) Should your transponder fail or fall out of the car, it is the team's responsibility to correct the problem. **Note:** The Race director will not add missed laps to your team.
15. **Turn Marshalling:** Turn marshalling is not required. However, it is in each team's best interest to have one member on the track to monitor their Teams' car on the track in case there is an accident or emergency. When doing so it's good sportsmanship to help a fellow team if they crash in your vicinity.
16. **Full Course Yellow Flags:** Full course yellow flags may occur during the race. Pit lane is open. Cars on track may not make passes on track or pass the safety car.
17. All cars must finish the **12 hour** race in order to be counted for final standings. I.E. Your car must complete the final lap at the 12 hour mark to be counted for your final timed position.
18. The Race Director has the final say over any rules interpretation.

## Section 7: Kit Assembly TIPS

From kit to running chassis, a one person assembly time is approximately 75 minutes. Managed properly, team work assembly time from “kit-to-track” can easily be done in less than one hour.

### For example:

- One team member is designated for main assembly.
- Another team member cuts parts from parts tree.
- Another team member assembles suspension arms then shocks.
- Another team member assembles the differentials and pre-sets radio system.
- And yet another team member charges batteries and over see’s the kit assembly.

### Helpful HINTS

- DO NOT use “thread-lock” on plastic parts, it will damage them!
- Download and print out copies of the instruction manual.
- Install one black “o-ring” in each shock body as internal spacer.
- Lock Tight your motor screws to the Aluminum motor mount!

## Section 8: Body Selection

Below is the list of body sets that you may choose from. We have provided information on the number of LED’s the front and rear buckets are capable of accommodating and their sizes.

Item	Description	Front: LED's per bucket + size	Rear: LED's per bucket + size
51544	RC Body Set LaFerrari	1 (One-5mm)	1 (One-5mm)
51526	RC Body Set Ferrari 458	1 (One-5mm)	1 (One-5mm)
51453	RC Body Set Nissan GT-R Sumo Power GT	3 (Two-5mm & One-3mm)	2 (One-5mm & One-3mm)
51447	RC Body Set Weider HSV-010	2 (Two-3mm)	2 (Two-3mm)
51429	RC Body Set Raybrig HSV-010	2 (Two-3mm)	2 (Two-3mm)
51340	RC Body Set Nissan GT-R	3 (Two-5mm & One-3mm)	2 (One-5mm & One-3mm)
51396	RC Body Set BMW M3 GT2 2009	2 (One-5mm & One-3mm)	3 (One-5mm & Two-3mm)
51375	RC Body Set Subaru Impreza Cusco Dunlop	3 (Two-5mm & One-3mm)	2 (One-5mm & Three-3mm)
51295	RC Body Set BMW Z4 M Coupe	3 (Two-5mm & One-3mm)	4 (One-5mm & Three-3mm)

Version: 7/29/15