



INDOOR CARPET TRACK RULES

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Effective 1/1/2011

Revised 3/12/12

*Indicates revisions

**Indicates revisions to reflect 2011
ROAR rule changes

GENERAL TRACK RULES

ODORLESS TRACTION COMPOUND ONLY!

NO CAR MAY HAVE METAL OR OTHER PARTS MEANT TO DAMAGE OTHER CARS. OR EXTENDED BUMPERS TO KNOCK OTHER CARS OUT OF THE WAY.

ANY CAR DRAGGING OR OTHERWISE DAMAGING THE TRACK WILL BE BLACK FLAGGED

RACERS ARE REQUIRED TO CORNER MARSHAL THE RACE AFTER THEIRS

IF A RACER HAS A PHYSICAL CONDITION THAT DISALLOWS MARSHALLING DUTIES, IT IS THAT RACERS RESPONSIBILITY TO FIND A REPLACEMENT AND TO INFORM THE RACE DIRECTOR.

DRIVERS ARE SOLELY RESPONSIBLE FOR THEIR FREQUENCIES AND FREQUENCY CONFLICTS. RACERS MUST RESOLVE ANY CONFLICTS BETWEEN THEMSELVES AND INFORM THE RACE DIRECTOR OF ANY CHANGES.

THE PIT AREA SHOULD REMAIN AS CLEAN AS THE RACER FINDS IT, THIS IS A TEAM EFFORT.

PIT TOWELS ARE REQUIRED!!!!

RACE/TECH DIRECTORS DECISION IS FINAL CONCERNING ALL RULES AND REGULATIONS.

ALL CLASS RULES ARE MADE AS SIMPLE AS POSSIBLE AND LEAVE SOME THINGS TO INTERPRETATION, RACERS ARE ENCOURAGED TO MODIFY THEIR CARS AND TRY NEW THINGS, BUT PLEASE KEEP IT IN THE SPIRIT OF THE RULES. ALL MODIFICATIONS ARE SUBJECT TO RACE/TECH DIRECTORS INSPECTION.

THE TRACK IS NOT INDESTRUCTIBLE, PLEASE RESPECT THE TRACK SURFACE AND THE WORK THAT GOES INTO IT.

INTENTIONAL CRASHING AND/ OR HORSEPLAY ON THE TRACK WILL NOT BE PERMITTED.

ANY DRIVER FOUND TO COMPROMISE SPECTATORS, MARSHALS, OR RACER SAFETY WILL BE EJECTED.

REVERSE AND DRIVING BACKWARD ON THE TRACK IS NEVER ALLOWED. DRIVERS WILL BE GIVEN ONE WARNING FOLLOWED BY A BLACK FLAG.

CLASSES WITH REGULATED MOTORS AND BATTERIES ARE SUBJECT TO A TWO RACE GRACE PERIOD FOR NEW RACERS, PLEASE SEE RACE/TECH DIRECTOR FOR DETAILS.

CARS BREAKING IN THE MAIN WILL BE OUT FOR THE DURATION OF THE RACE (UNLESS AN EASY REPAIR BY A CORNER MARSHAL). CARS THAT FAIL ON THE TRACK WILL BE PLACED BY A CORNER MARSHAL IN A SAFE SPOT. NO RETRIEVING VEHICLES UNTIL THE RACE HAS ENDED.

ADDITIONAL RULES FOR USING LIPO BATTERIES

ALL PACKS MUST BE 2 CELL (7.4V) ONLY

ALL BATTERIES MUST BE CHARGED USING LIPO SAFE CHARGERS

NO BATTERY MAY HAVE AN EXTERNAL TEMPERATURE OF MORE THAN
105* F

****NO BATTERY CAN READ MORE THAN 8.49V AT ANY TIME****

ALL BATTERIES MUST BE IN PROTECTIVE HARD CASE

ALL BATTERIES MUST BE CHARGED IN A LIPO SAFE CHARGING BAG.

ANY RACER FOUND TO BE CHARGING LIPO BATTERIES WHILE STILL
INSTALLED IN VEHICLE WILL BE TARRED, FEATHERED, HUNG,
DRAWN, QUARTERED, BOILED, AND EATEN (BY ZOMBIES).

SPECIALTY RACE NOTATIONS

TOP 4 FINISHERS IN ANY SPECIAL RACE WILL BE REQUIRED TO GO TO
TECH.

CAR WILL BE INSPECTED FOR CLASS RULES (RIDE HEIGHT, MOTOR,
BATTERY, LIPO CUT)

THESE RULES ARE NOT ONLY TO PROTECT
YOUR EQUIPMENT BUT THE SAFETY OF
YOURSELF, YOUR FELLOW RACERS AND
SPECTATORS, PLEASE TAKE THESE
PRECAUTIONS SERIOUSLY SO WE MAY ENJOY
THE RACE PROGRAM FOR YEARS TO COME.

STOCK SEDAN

Follow the ROAR rules for 1/10 Electric On-Road T-2 Touring Car with some exceptions;

- Tire & Wheel:** *Any rubber pre-mounted commercially available Sedan tire allowed. No foam tires.
- Chassis:** Any four wheel drive, independent suspension, touring car chassis is allowed (any era or brand). All four wheels must be driven (no disconnecting belts or shafts). One-ways, spools, or differentials can be used. No multi-speed transmissions.
- Ride Height:** Must be at least 5mm in race ready condition.
- Weight:** **1380gm minimum
- Width:** 190mm maximum without body, 195mm maximum with body
- Body Rules:** Racers are encouraged to use 190mm bodies that meet the ROAR Global Body Specifications for 1/10 Electric On-Road T-2 Touring Car Bodies or at least resemble 2 or 4 door cars that have raced in a Touring Car series. Any exceptions should be approved by the race director, especially if the body could be perceived (real or imaginary) as having a performance advantage.
- No windows may be cut out.
- Only one wing allowed, fixed to the same place as the wing on the full-size vehicle. The wing must be fastened to the rear deck of the body, not directly to any part of the chassis of the vehicle.

STOCK SEDAN(cont.)

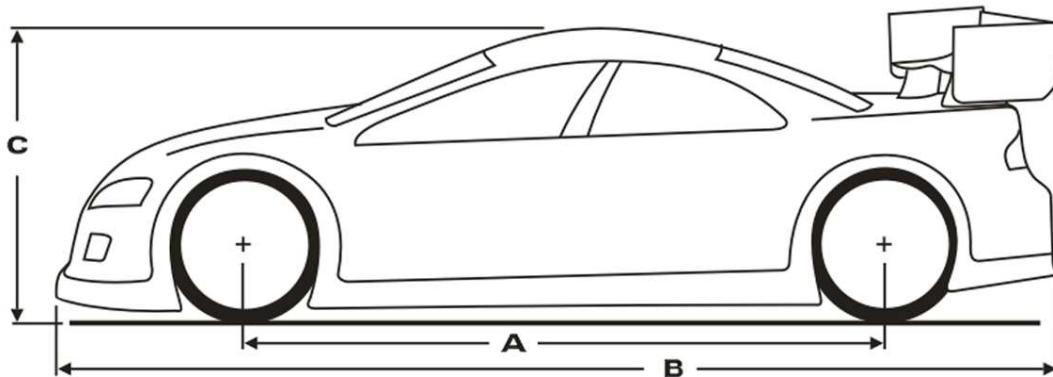
Battery: Any ROAR approved hard-cased 2 cell (nominal 7.4V) LiPO up to and including 5400mAH

Any ROAR approved 6 cell NiCd/NiMh sub-C size
Rated at 1.2V/cell

Motor: Any ROAR approved 17.5 turn brushless stock motor
or

E.S.C. *"Blinky" mode, no ESC boost or turbo functions.

Gearing: No restrictions



ROAR specs:

Length (B)	Max. 460 mm
Width With body	Max. 195mm
Without body	Max. 190 mm
Height (C)	Max. 190 mm
Wheelbase (A)	Max. 270 mm - Min. 250 mm

HTO VINTAGE

FOLLOWS GENERAL RULES OF TRANS AM NATIONAL RULES(USVTA)

basically, having fun is #1

Motor 25.5 NOVAK brushless (timing set at stock) with 2 cell
HARD CASED LIPO, 5200 MAH max
E.S.C.'s without timing boost, or timing must be proven
disabled.

Open gear ratio.

Tires No Foams. The only tires allowed are HPI tire part #4793 front
and #4797 rear, using stock tire inserts provided with tire and
any HPI Vintage wheels designed to fit these tires. Five
or Eight spoke wheels available in various colors. 0mm offset
front wheels and 6mm offset rear wheels are intended for
26mm width fronts and 31mm width rear tires. Others
allowed with Race director's approval.

Body 1980s or older bodies
Any older type body allowed as long as it is unique and
approved by race director
Only single piece bodies allowed, no additional air control
surfaces other than factory pieces supplied with the
body

Ride Height 5mm minimum

Weight **25.5 Brushless**
1550 grams minimum weight in full race trim

The race director may allow minor deviations if it improves
appearance or fun and does not give a speed advantage!

Formula 1 / CART

Primarily for 2wd cars but 4wd can run with some changes to be determined by race director

*RUBBER TIRES for regular season. FOAM Tires for special events, based on attendance.

Rear tires must be wider than the fronts

Weight

2wd – Minimum 1000 grams
4wd - Minimum 1420 grams

Ride Height

*5mm minimum, measured at rear axle centerline.

Motor/ESC

*540 silver can motor (Johnson or Mabuchi motor)
or
21.5 brushless (no ESC timing or boost)

Battery

*Six cell maximum or 2s hard cased LiPo battery.

Body style

Bodies must resemble open wheel, single seat cars used in CART, IRL, Formula One, Etc.

Wing, down force, and aero changes are allowed to scale
(This is an F1 class after all)

Mirrors, Driver, and Painted cockpits are encouraged

Standing start

CUP RACER / Mini

Any 2 or 4wd "mini" or "true ten" scale chassis allowed
(HPI cup racers, Tamiya M03, M04 etc.)

Rubber tires **ONLY** 60D or smaller, Treaded or Slicks.
*To clarify, tires must be smaller than typical sedan tire/wheels.

Any "mini or true-ten" body allowed

Ride Height 5mm minimum

Weight 2wd 1250 grams
 4wd 1400 grams

Motor/ESC

*Silver Can 540 Johnson or Mabuchi
21.5 brushless (no ESC timing or boost)
30T Cup Tuned

Battery 6cell NICD/NIMH or 2s hard cased LIPO

Wings, spoilers, etc. allowed as long as scale in appearance.

Scale accessories are encouraged (mirrors, lights, wipers, etc.)

