

O.R.L. 2009/2010 Rules

(Any Updates are in Red)

General Rules

- Track Marshalling.** After racing, you must immediately place your car in the tech area and find a spot to track marshal. If you can't do it, you are responsible for finding a replacement.
- Bump-Ups.** No Bump-Ups due to all of the tracks not having the capability to do it.
- Points.** Points are earned whether you run your main or not. (ex. Not running your main gives you last place in that particular main.)
- Rough Driving.** Rough Driving will not be tolerated.
- Pulling Off to make Adjustments During the Race.** If you pull off the track to make an adjustment on your car during the heat and you decide to come back to the track, you must stay out of the way of anyone on a qualifying run or not force them to move over. If you pull off in the A-main, you stay off the track. (Oval Only)
- Illegal Parts or Motors.** No unapproved parts or motors allowed. First offense is a warning and loss of qualifying runs. Second offense will result of suspension for the rest of the day. Refusal to allow technical inspection is an automatic admission of guilt and you will be asked to no longer participate in the day of racing.
- Li-Po Inspection Procedure:**
 - Cars must be at the tech table 2 minutes before the end of the previous race with bodies off.
 - Cars will have the battery temperature checked with track temperature gauge.
 - Cars will have the battery voltage checked with the track volt meter. The track volt meter will have a Deans plug installed on it to ensure accurate and consistent readings.
 - After cars are teched, bodies will be put on and they must remain on the table until being placed on the track. Cars taken back to the pit table will **NOT** be allowed to race.
 - We will allow a racer to decrease voltage at tech (but it will be our judgment if someone is too high to allow this courtesy i.e. 4.3v+). A racer may also only be allowed to do this one race (we can't have this occurring multiple times with the same racer).

General Pan Car Rules

- MOTOR:**
 - Motor Freezing is left to track's discretion.
 - Motors may NOT have any material removed from the can, end bell, coil winding stacks, or any other motor component.
 - Novak Motors must have purple aluminum "Center Band" or Novak heat sink.
 - Sensor board must remain mounted in the stock location. No modifications or tampering with the sensor assembly is permitted.
 - A single hole may be drilled in the plastic end cap for the purpose of oiling the rear bearing; the hole may be no larger than 3/8".
 - Bearings may be replaced with steel or ceramic version of the same size.
 - Timing adjustments to the motor is allowed. You may only do so by loosening the three end bell screws and rotating the colored timing ring. The timing hash mark closest to the PCB board may not be rotated past the edge of the PCB tab. The full hash mark must be visible.
 - R.O.A.R. Approved motors only
 - If a motor tends to be a considerable advantage over all other motors, it may be deemed illegal even if it is ROAR legal. This is a cost saving measure to avoid forcing everyone to purchase a new motor just to be competitive. This will be evaluated on a case by case basis by the tech committee.
 - These are the allowable Minimum inductance Readings:

13.5	17.5	10.5
Novak - 21	Novak - 34	Novak -
Speed Passion - 21	Speed Passion - 34	
Hacker - 19	Hacker - 33	
Losi - 19	Losi - 33	
LRP - 22	LRP - 37	
Tekin - 19	Tekin - 33	
Trinity - 19	Trinity - 33	

- CHASSIS:** Any commercially available, through hobby distributors and hobby dealers nationwide, 1/10 scale direct drive chassis is allowed.
- BATTERIES:**
 - 1 Cell Li-Po BATTERIES:
 - Batteries per TOUR Approved List.
 - Maximum Battery Temperature: 10 Degrees over ambient temperature maximum and 5 degrees under ambient temperature. Batteries may NOT be cooled down with freeze spray or any other method to meet temperature

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tolerance. Any signs of battery cooling will result in making the racer sit out the race. Due to the nature of the batteries, this will not be tolerated for safety reasons.

- c. Maximum Battery Voltage: 4.22 Volts
- d. The stock Dean's Plug must be used on the battery.

4. BODIES:

- Nationwide Style
 - a. ROAR approved Bodies
 - b. Wings Allowed.
 - c. The back of the body may be cut out.
- COT Bodies.
 - a. Currently approved bodies are as follows:
 - Protoform COT (part #: 1230-30)
 - McAllister Charger COT (part #261)
 - McAllister Fusion COT (part #254)
 - McAllister Impala COT (part #249)
 - b. Minimum roof height of 4 1/4".
 - c. The back of the body must be left in. No holes allowed in the back to allow better air flow.
 - d. Rear of body only trimmed as high as the trim line. No air relief holes above the trim lines in the rear. (i.e. leave rear of body in).
 - e. Wing must be stock OEM wing or Approved Molded OEM Replacement.
 - f. Wings MUST be on the car. Wings must be cut on stock lines. They are not allowed to be trimmed for less drag.
 - g. Wings must be on the car at the end of the race or will result in disqualification.
 - h. On a Protoform body, the wing must be screwed to the body's 2 molded-in wing struts. No raising or lowering of wing height.
 - i. On McAllister bodies, the wing mounts are molded into the wings. This OEM wing must only be used on a McAllister body. This wing must be mounted directly to the body. Aftermarket wings, with no molded in wing mounts/spacing may use a .25" spacer to get the wing to the same height as the OEM wing.
 - j. The wing must be molded plastic. No Home-made Wings. No additional wings or spoilers.
 - k. Spill plates can be home made, but must be the same shape and dimensions as the OEM spill plates.
 - l. There must be a minimum of 1/8" blunt edge of the "splitter" remaining on the body. This is to prevent raking the body and for the safety on corner marshals.

5. SPEED CONTROL:

- Production Electronic Speed Controls Only.
- New Electronic Speed Controls must be available through major distribution channels for a minimum of 60 days before gaining final approval for ORL competition.

17.5 Single Cell COT

1. **WEIGHT:** 36oz with Transponder
2. **MOTOR:** 17.5 ROAR Approved
3. **BODY:**
 - COT Bodies Only.

13.5 Single Cell COT

1. **WEIGHT:** 36oz with Transponder
2. **MOTOR:** 13.5 ROAR Approved
3. **BODY:**
 - Nationwide Style Only.

10.5 Single Cell Pan Car

1. **WEIGHT:** 36oz with Transponder
2. **MOTOR:** 10.5 ROAR Approved
3. **BODY:**
 - Nationwide Style Only.