

# 2007 US Open Wheel Championships

## OFFICIAL RULES

Expert class drivers are not eligible to enter the stock electric or limited nitro classes. ([More info](#))

- **General Rules:** All races will be 4 minutes in length, qualifiers will use ifmar starts. Electric races will be standing start, Nitro races will be single file rolling starts. Turn marshalls may not work on or repair cars. **All cars must enter and exit the racing surface via the pit lane at all times. If a car suffers damage or flameout and is removed from the racing surface and may reenter the race but must do so by entering from the pit lane only.** Any cars damaged and placed in the infield will remain there until that race is over. All drivers must turn marshalls the race immediately following their race. All cars will be teched before and after race. Once a car has gone through tech before the race it must go directly to the track and not to pit area.

- **TIRES:** All cars must use foam tires only, no rubber, silicone or silicone impregnated tires are allowed. All tires must be wiped clean before being allowed through tech or on the track for all practice and races.

- **All Classes:** All entries must be 2wd / rear wheel drive only. For turn marshalls safety all cars must have a front bumper that is made of a shock absorbing material e.g. nylon, delrin, plastic, kydex etc. Front bumpers must be mounted in such a way that they will contact an object prior to any other portion of the car in a front impact. All cars must have 4 wheel independent suspension. No straight axle cars allowed. All EDM bodies, sprint car bodies and cages must resemble real full scale cars running on dirt oval tracks. All corners of bodies and wings must be rounded for safety!! Wheelbase minimum is 9.5", maximum is 11.5", max width is 10".

- **Electric Rules:** 6 cell Batteries of up to 4200mah Nicad or NIMH are legal in all electric classes. No Lithium-Polymer (Li-Po) batteries allowed. **Brushless Motor Systems are allowed in Modified Electric classes Only. All Brushless motor systems must meet ROAR Brushless specification with the exception of the MAMBA MAX system from Caslte Creations which is also legal for modified.** Stock motors handout motors only. Sprint car minimum weight is 54oz. Edm minimum weight is 52 oz.

- **Nitro Rules:** Sprint, EDM, and Latemodel .12 cubic inch engines only. Max fuel tank size is 75cc in all classes. No stinger modifications and no pipes with adjustable stingers allowed. Single speed transmissions only. Minimum weight is 56oz.

-**Stock and Limited Nitro Classes:** **Must be production based kit manufactured and available for purchase to general public. IE: Custom Works, BMS, Dynotech, Klein, Bulletproof, Putnam, Kranzel, OFF etc. Modifications and optional parts are ok, but no scratch built or prototype cars are allowed. Radio use is limited to 2 channels only ie: no wings adjustable from radio. No front brakes allowed.**

- **Limited Sprint and Limited Latemodel:** **OS .12 TG production motors only. Must be out of the box stock. No modifications allowed. Rotary or slide carb versoin ok. Production headers and pipes only with maximum 6 mm diameter single stinger opening.**

**All height measurements are from bottom of chassis unless otherwise noted.**

**When reading rules below it is a good thing to realize that chances are if it is not mentioned here, it is not legal. Do not plan a defense of your latest concoction by saying "it doesn't say I can't do it". Save yourself and everyone else a lot of time by being realistic in what is expected and in the spirit of the rules.**

- **Latemodel:** Latemodel bodies may have openings for cylinder head, fuel tank access, glow plug, engine tuning, and exhaust outlets only. Maximum track width is 10". Maximum rear spoiler chord is 2"including any molded in portion. A 1/4" wicker is allowed on top of spoiler in addition to the 2". A left side dam will be allowed with the following dimensions: Max length 14", max height is 2.5" above deck plus a 1/2" bend at top. Side dam leading edge must be at least 3" behind center of front axle with wheels straight. Leading Edge must be perpendicular or angle back (can not angle forward). Also side dam must be mounted and braced securely at a 90 degree angle with at least 2 rigid braces. No flopping side dams allowed. A right side spoiler cap or side dam is allowed and can be no longer than 2" forward of spoiler base and no taller than top of spoiler. No additional wings, spoilers, wickers, flaps, vents, doohickeys etc. can be added to body other than what is specifically mentioned above. The body may not be altered in anyway from its stock configuration ie: shortened, lengthened, narrowed etc. Reasonable modification may be permitted to allow for cylinder head cooling only. The following bodies are the only bodies that are approved for use in the latemodel class.

Custom Works	#9005	Pro-Mod Lumina
Custom Works	#9006	Pro-Mod T-Bird
Custom Works	#9012	Eldora Late Model *
McAllister	#207	Tulsa Late Model
BMS Racing	#TBA	Shadow
Factory Works	#7357	Concord Late Model
Factory Works	#7353	Rocket Late Model

\*Eldora roof must be in stock position, front and rear windows may be left in or cut out.

- **Limited Latemodel:** Same as above with the following exceptions: **Maximum rear spoiler chord is 3"including any molded in portion. A 1/4" wicker is allowed on top of spoiler in addition to the 3".**

**NO SIDE DAMS ALLOWED EXCEPT: A left and right side spoiler cap or side dam is allowed and can be no longer than 2" forward of spoiler base and no taller than top of spoiler.**

**Sprint:** Maximum Length is 18" . Must have scale appearing cage, hood, side panels, nerf bars, and bumpers. Exhaust headers must appear on both sides of car in "engine area" and be made of round stock or molded polycarbonate (left side of nitro sprint is optional). Must run top wing - maximum wing surface area is 6" X 6" plus a 1/2" max rear spoiler, wing center section must be square, no canted leading edges. Left side panel max 4" x 7" max., right side panel 3.25" x 7". A 1/4" bend is allowed on top and bottom of wing side panels but is included in max dimensions. A 3/8" max wickerbill is allowed on rear edge of wing side panels. Wing minimum height at leading edge 5" from bottom of chassis. Front wing maximum surface area is 8 square inches with max side panels of 3" long and 1.5 " high, max of 1"above horizontal wing surface. Rear cage side panels may be used but can not extend beyond cage frame. Maximum front bumper width is 4". No lexan or any other material may be mounted to nerf bars or bumpers that may assist as an aero device.

**- Limited Sprint:** Same as above with the following exceptions: **No Front Wings allowed. All body pieces ie: hood, tail, side panels, must be stock production pieces available from manufacturer.**

**No additional panels or pieces are permitted.**

**-Eastern Dirt Modifieds (EDM):** Maximum Overall Length is 22". Maximum width of Body/inner panel is 8". Inner panel must have a hood at least 2" wide that extends from front of inner panel to at least the leading edge of the roof and must be a minimum of 1/2" above inner panel. Maximum front bumper width is 5", must be mounted flat and may not be angled up to act as a Wing. An additional front body panel is allowed on the front of the car but may not extend past the bumper and may not be wider than 4.5" or longer than 3.5".

Maximum width of Roof is 7", roof width must be at least .5" narrower than inner panel width where attached to doors. Minimum roof height is 5.0", maximum Height of body at highest point is 7.0". Maximum roof length is 6.5 inches, a 1/2" rear spoiler is allowed on Roof and is not included in 6.5" max length restriction. Front and Rear windows must be removed, any clear portion is included in max roof length dimension. Side windows and A pillar must attach to side panels at top edge of door and must also contact the entire length of roof. (ie no large gap between roof and top of windows) Side windows must be clear and no portion of side window may overlap side or sail panel. Roof, windows, side and sail panels must be symmetrical.

Maximum Side panel length is 17" and no part of the side panels can extend forward of the front axle. Entire side panel must be on one plane and both side panels must be parallel to each other. Front edge of sail panel can not extend more than 1" forward of rear tire leading edge and can not overlap side windows. No additional lips or flaps are allowed with the exception of a 1/4" bend at top and bottom of Side and Sail panel no more than 45 degree.

Any material added for the purpose of bracing or supporting the body must be a maximum of 1/2" wide and 5" long. Bodies must have at least 1/3 of right rear tires exposed when viewed from front, top and rear of car. Rear spoiler chord maximum is 3". No rear wheel cutouts are allowed on the horizontal plane of the inner panel.

**- The final decision regarding rule enforcement is at the discretion of the Race Track Owner and Race Owner (C&S Raceway and Custom Works).**