



2022-23 IRC

Rules

- 1) Motors
 - a) Midget cars will run 8700KV motors with the 12t pinion (7000)
 - b) EDM, UMP Modified, Sprint Car, Novice Late Model, 602 Late Model & Super Late Model will run 8700KV motors with the 10t pinion (7003)
 - c) 10,000KV (7011) motor is allowed in the unlimited class.
- 2) ESC
 - a) Must be in factory setting mode. To put into factory setting mode before turning the car on, press and hold down the reset button. Turn the car on and hold the reset button for 3 seconds. Turn the car off and then back on and the esc is reset into factory mode.
 - b) We will do random resets during the season. Refusal to reset before a race is an automatic disqualification.
 - c) ESC and receiver can be moved anywhere inside the roll cage of the car. ESC must be accessible so we can do a factory reset at any time.
- 3) Tires
 - a) You can use water or Simple Green to wipe off your tires.
 - b) Any substance applied to a tire to make it swell or enlarge is not allowed.
 - c) Tires will be subject to inspection with the house tire template. Tech will put a marking of some kind on each tire before you can start practicing. Please bring any tire you may use to tech even if it is not a tire that is currently on your car.
 - d) We will check tires between heats & features for marking a designated mark on the tire that week. We will do random checks even if the tires are not teched before the races.
 - e) Anyone caught trying to replicate the marking on their wheels without official tech inspection will be disqualified for the day and asked to leave the facility.
 - f) If you would like to check your tires at home to make sure they are legal here is the certified measurements in millimeters (mm).
 - 1) Late Model 38.8mm
 - 2) Sprint Car Front 38.6mm, Rear 45.0mm
 - 3) EDM Front 37.2mm, Rear 41.6mm
 - 4) Midget Front 30.8mm, Rear 34.9mm
 - 5) UMP Modified 37.5mm

4) Rear End Gears

- a) Midgets must have black rear gears (4000)
- b) Late Models, EDM, UMP Modified, Sprint Cars must have white or grey gears (4001).
- c) Gears must remain stock. Do not drill holes or alter the rear gear in anyway.
- d) 5/64 or larger hole must be drilled in rear in to view gears quickly in tech.
 - 1) You may put a screw with seal, tape, or any other item over the hole to keep debris from getting into the rear end casing.
- e) Rear end can only have the one spacer washer. No added washers on the rear ends. This includes in between each section of the rear end. There should not be a visible gap anywhere in the rear end of the car.
- f) **1RC Bearings only. Ceramic bearings are not allowed.**
- g) No rear torsion bars are allowed.

5) Batteries

- a) You must use the correct battery in your car for the class you are racing.
 - 1) Kids 4 Cell Nimh (7002)
 - 2) Midget 4 Cell Nimh (7002)
 - 3) Rookie, 602, Sprint Car, UMP Modified, EDM 5 cell Nimh (7007)
 - 4) Super Late Model 2 cell Lipo 230mah-300mah

6) Controllers

- a) You are allowed to upgrade your controller in all classes.

7) Car Appearance

- a) 1 number must be viewable on the racecar.
- b) Except for the Late Model front bumper, all classes must run bumpers as they come from the manufacture. **Late Models can choose to not run a front bumper, alter the factory front bumper and or run the aftermarket front bumper that Oak Haven 1RC Club produces.**

8) Transponder

- a) Transponder must be located where the timing loop can pick up the transponder. Transponders cannot be located under any body pieces covering the light sensor on top.

9) Miscellaneous

- a) Screws or nuts maybe be anodized or aftermarket as it does not give any competitive advantage.
- b) Painting rims, frames are allowed.
- c) Your allowed to run adjustable tie rods on the cars. This includes the adjustable tie rods on the left rear of any of the 1RC cars.

10) Protests

- a) If you suspect someone is running something illegal, you can put up a protest. The protest fee is \$40. If the protester is correct, they get \$30 back, \$10 goes to the tech guy. If the individual being protested is legal, then they get the \$30 with \$10 still going to the tech guy.

If it is not a 1RC Racing product part and it is not listed specifically in this rulebook it is considered illegal. Exceptions for Unlimited class only. Rules for Unlimited are below.

Racing Format

Heat Races

- Random draw for heat races consisting of no more than 6 cars.
- Heat race is 30 laps in length (Kids 20 laps)

Main Events

- Main events are sorted into 6 car races and your main event position is determined by your results from the heat races.
- The lowest main event will run first
- Starting position, A-Mains and lower are heads up, the fastest car in that main event starts in the front.
- Laps for main events are as follows:
 - A-Main – 50 Laps 6 Cars (Kids 30 laps)
 - B-Main – 30 Laps 6 Cars
 - C-Main – 20 Laps 6 Cars
 - D-Main and Lower – 20 Laps 6 Cars
 - Top Finisher from each C or lower main event will bump to the back of the next higher main event. Top 2 from the B-Main will make it into the A-Main.

Class Running Order

Heats: Kids, Rookie, Midget, EDM, 602 Late Model, Sprint Car, UMP Modified, Super Late Model.

Mains: Any lower Mains. C Mains, B Mains in the same order as the heats. Once the lower Mains are finished, we will start the A Mains.

Line up, Starts & Restarts

- Racers must line up directly squared behind the starting line. Do not line up right against the wall or below the starting spots.
- Race control oversees stopping the races. Do NOT YELL STOP! If you would like to raise a hand to signal there is an issue on the track so race control can look over the track for any issues, that is allowed. Race control makes the judgement calls on stopping or continuing the races. Races will be stopped for cars that are flipped upside down or cars that are stuck in the wall or stuck with another car. These are judgement calls by race control.
- Lucky Dog pass, when there is a red flag for a flipped over car or something happens on the track that race control feels compelled to call a red flag. The first person down a lap will receive 1 lap back. This only applies to restarts where a full lap has been completed. If 1 full lap was not complete after the restart nobody will be awarded the lucky dog pass.
- Race control will announce ON THE LEADER, this will signal the leader he/she may start the race when they are ready. After the leader goes you can go. The leader has 10 seconds to start, or they will be given a false start and will start in the rear.

- Jumping the start before the leader. 1st time jumping the start you will be sent to the back. 2nd time jumping the start in the same race will result in a DQ. If a 3rd jumping the start happens in a later heat or main the driver will be disqualified for the day.
- Commitment line: The green vertical line going into turn 3 is the commitment line. Drivers must stay above this line on starts and restarts. If a driver goes below the commitment line, they will be notified by race control immediately and must move to the top side of the track in the next run, come to a complete stop before they can continue.
- When a red flag happens, race control will go back to the last completed lap and let everyone know the running order.
- During a red flag you are allowed to make minor adjustments to your car or pop a shock back on as long as it does not hold up the restart of the race.



Kids/ Rookie Late Models:

This class will consist of kids only & beginner racers in the rookie class that are less experienced racers. Race director will determine if anyone needs to move up to the 602 class. Race Director has the right to combine the kids' class and rookie class.

- 4 cell batteries (7002) Kids/ 5 cell battery (7007) Rookie class
- Stock with the following exceptions
- Upgrade the controller.
- Late Model tires 38.8mm (black regular compound 5539, chrome regular compound 5540).
- You can run a soft compound tire as well (black 5541, chrome 5542)
- You can paint and wrap the car
- You can trim your front bumper or take completely off
- Oak Haven front bumper is allowed



602 Late Model/ Sportsman:

- 5 cell battery (7007)
- Upgrade the controller
- Late Model tires 38.8mm (black regular compound 5539, chrome regular compound 5540).
- You can run a soft compound tire as well (black 5541, chrome 5542)
- You can paint and wrap the car
- You can trim your front bumper or take completely off
- Maximum weight without the battery 300g
- Gears can only be the grey (comes stock on the car) or the manufacturer replacement the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3024) and on the radius rod on the left rear (3016)
- Soft, medium, or hard springs on the front (5009) Must be LM small springs only, **no** springs on the shocks. Back springs (5001), short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)
- O-rings in the shock is optional
- You may paint the chassis but no modifications to the chassis
- Oak Haven front bumper is allowed



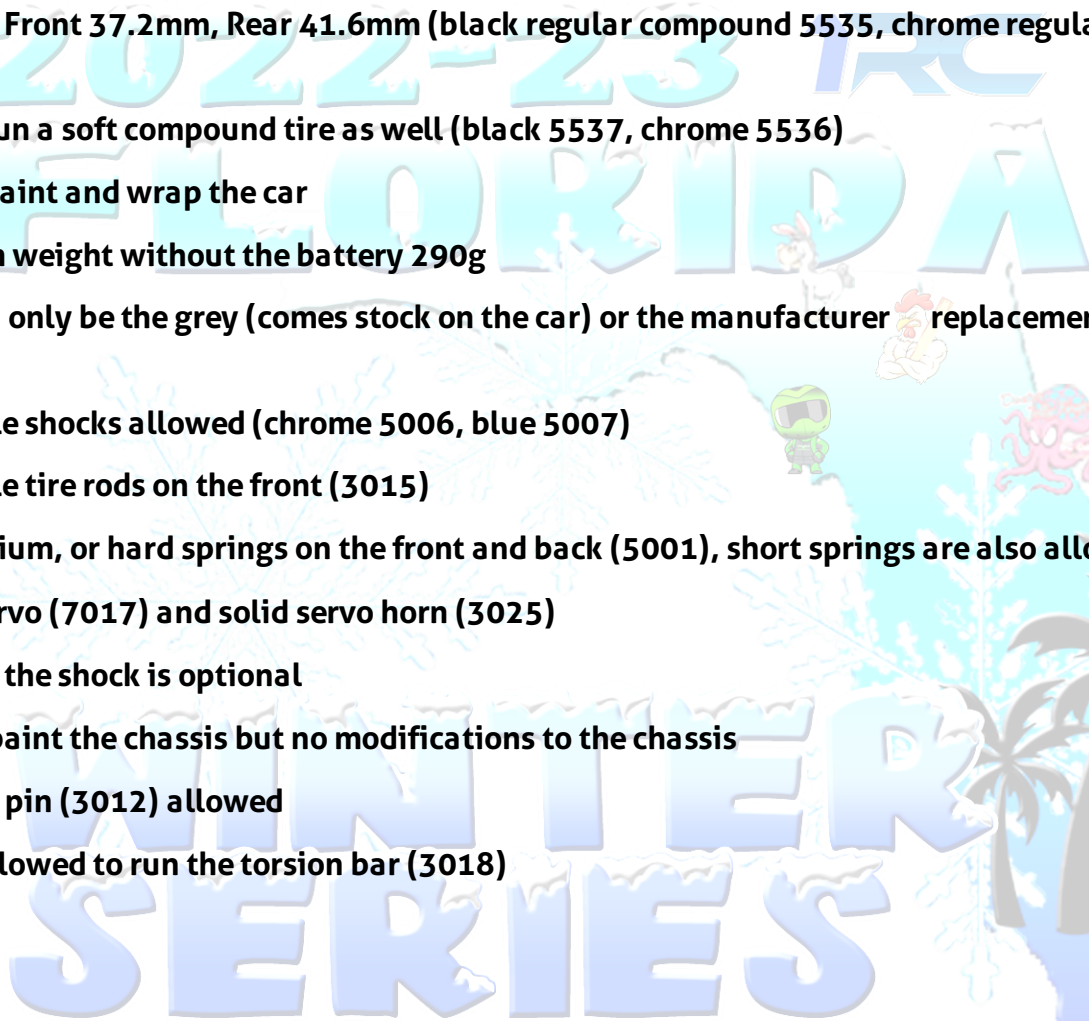
Super Late Model:

- 2 cell lipo 300mah
- Upgrade the controller
- Late Model tires 38.8mm (black regular compound 5539, chrome regular compound 5540).
- You can run a soft compound tire as well (black 5541, chrome 5542)
- You can paint and wrap the car
- You can trim your front bumper or take completely off
- Maximum weight without the battery 300g
- Gears can only be the grey (comes stock on the car) or the manufacturer replacement the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3024) and on the radius rod on the left rear (3016)
- Soft, medium, or hard springs on the front (5009) you can add springs on the shock. Back springs (5001), short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)
- O-rings in the shock is optional
- You may paint the chassis but no modifications to the chassis
- Oak Haven front bumper is allowed



EDM or Eastern Dirt Modified

- 5 cell battery (7007)
- Upgrade the controller
- EDM tires Front 37.2mm, Rear 41.6mm (black regular compound 5535, chrome regular compound 5534).
- You can run a soft compound tire as well (black 5537, chrome 5536)
- You can paint and wrap the car
- Maximum weight without the battery 290g
- Gears can only be the grey (comes stock on the car) or the manufacturer replacement the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3015)
- Soft, medium, or hard springs on the front and back (5001), short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)
- O-rings in the shock is optional
- You may paint the chassis but no modifications to the chassis
- Solid king pin (3012) allowed
- You are allowed to run the torsion bar (3018)





UMP Modified:

- 5 cell battery (7007)
- Upgrade the controller
- UMP Modified tires 37.5mm (black regular compound 5544, chrome regular compound 5545).
- You can run a soft compound tire as well (black 5546, chrome 5547)
- You can paint and wrap the car
- Maximum weight without the battery 285g
- Gears can only be the grey (comes stock on the car) or the manufacturer replacement the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3024) and on the radius rod on the left rear (3016)
- Soft, medium, or hard springs on the front and back (5001), short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)
- O-rings in the shock is optional
- You may paint the chassis but no modifications to the chassis

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Sprint Car:

- 5 cell battery (7007)
- Upgrade the controller
- You can run Sprint Car tires Front 38.6mm, rear 45.0mm (black regular compound 5523, chrome regular 5522) or EDM tires Front 37.2mm, Rear 41.6mm (black regular compound 5535, chrome regular compound 5534).
- You can run a soft compound tire as well (black 5537, chrome 5536)
- You can paint and wrap the car
- Maximum weight without the battery 275g
- Gears can only be the grey (comes stock on the car) or the manufacturer replacement the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3015)
- Soft, medium, or hard springs on the front and back (5001), short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)
- O-rings in the shock is optional
- You may paint the chassis but no modifications to the chassis
- Solid king pin (3012) allowed
- You are allowed to run the torsion bar (3004)



Midget:

- 4 cell battery (7002)
- Upgrade the controller
- Midget tires Front 30.8mm, Rear 34.9 (black regular compound 5528, chrome regular compound 5527).
- You can run a soft compound tire as well (black 5530, chrome 5529)
- You can paint and wrap the car
- Maximum weight without the battery 200g
- Gears can only be the black gears (4000) that come stock on the car
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3016)
- Soft, medium, or hard springs on the front and back (5001), short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)
- O-rings in the shock is optional
- You may paint the chassis but no modifications to the chassis
- Solid king pin (3012) allowed
- You are allowed to run the torsion bar (3004)

Unlimited Class

- You must run a 1RC Chassis
- This class is unlimited, run any chassis, motor, battery, tire, tire prep, ESC set however you would like, drill holes in the gears, cut the chassis up, put a wing on the top of a modified, late model, midget. Whatever you can think of without using a gas motor.

Remember, these are toy cars, and we are here to have good clean FUN!

Updated 10/21/22

