



## Rules

### 1) Motors

- a) Midget & Asphalt Modified cars will run 8700KV motors with the 12t pinion (7000)
- b) EDM, UMP Modified, Sprint Car, Wingless Sprint, Late Model, Super Late Model, NASCAR Cup Series, NASCAR Truck, Pavement Modified & Street Stock will run 8700KV motors with the 10t pinion (7003)
- c) A 10,000KV (7011) motor is only allowed in the unlimited class.

### 2) ESC

- a) Open
- b) ESC and receiver can be moved anywhere inside the car's roll cage.
- c) ESC light must turn green when the transmitter is at full throttle.

### 3) Tires

- a) You can use water or Simple Green to wipe off your tires only.
- b) The top 3 tires will be checked using the tire templates. Tires must fit through the template.
- c) If you want to check your tires at home to ensure they are legal, here are the certified measurements in millimeters (mm).
  - 1) Late Model 38.8mm
  - 2) Sprint Car Front 38.6mm, Rear 45.0mm
  - 3) Asphalt Sprint Car RR 24.4mm
  - 4) Asphalt Sprint Car LR 23.7mm
  - 5) EDM Front 37.2mm, Rear 41.6mm
  - 6) Midget Front 30.8mm, Rear 34.9mm
  - 7) UMP Modified 37.5mm
  - 8) Asphalt Modified 37.4mm
  - 9) NASCAR Cup Series 23.7mm
  - 10) Nascar Truck Series 23.7mm
  - 11) Street Stock 37.5mm

12) Super Modified LR 24.4mm

13) Super Modified RR 24.4mm

#### 4) Rear End Gears

- a) Midgets & Asphalt Modified must have black rear gears (4000)
- b) Late Models, EDM, UMP Modified, Sprint Cars, Street Stock, NASCAR Cup Series, and NASCAR Truck Series must have white or grey gears (4001).
- c) Gears must remain stock. Do not drill holes or alter the rear gear in any way. Gears cannot be shaved down in any way.
- d) No rear torsion bars are allowed. They have been discontinued from 1RC
- e) No additional bearings are allowed to be placed in the rear ends.

#### 5) Batteries

- a) You must use the correct battery in your car for the class you are racing.
  - 1) Rookie 4 Cell Nimh (7002) or 5 cell Nimh (7007)
  - 2) Midget 2-cell Lipo 300mah regulator in 5v setting.
  - 3) Late Model, Non-Wing & Winged Sprint Car, UMP Modified, NASCAR Truck & Pavement Modified, 2-cell Lipo 300mah regulator 6v setting.
  - 4) Super Late Model, EDM & Nascar Cup 2-cell Lipo 300mah.

#### 6) Controllers

- a) Open Controller. Please keep in mind we are trying to keep this low-cost and not make it about money. We are also trying to make this about driver ability, not who has the nicest and newest electronics.
- b) Any receiver with any kind of gimbal or gyro is not allowed

#### 7) Car Appearance

- a) 1 number must be viewable on the racecar for identification purposes.
- b) You may NOT alter the body of any car to make more room for wheel travel. This does not apply to the unlimited class. An asphalt late model may trim the nose up to keep it from bottoming out.
- c) Car bodies must remain stock from the factory. No additional holes may be added to the body.
- d) Except for the Dirt Late Model front bumper, all classes must run bumpers as they come from the manufacturer.
- e) Street Stocks must run a 1RC street Stock body only.
- f) No 3D printed bumpers. All bumpers must be 1RC-manufactured.

#### 8) Transponder

- a) The transponder must be located where the timing loop can pick up the transponder. Transponders cannot be located under any body parts. If a transponder is not reading, that is on the driver.

#### 9) Regulator

- a) Regulators cannot produce more than 6.09 v. These can be checked by the Chiefland battery meter.

- b) Regulators will be tested, and a Chiefland sticker/ marking will be put on the regulator stating it is legal at Chiefland RC. The stickers are numbers and will be put on a spreadsheet with the driver's name and original voltage reading.
- c) Regulators must be accessible to view the sticker/ marking and spot test at any time.
- d) Example of how to properly install a regulator.



#### 10) Shocks

- a) Late Model, Nascar Truck, UMP Modified, Pavement Modified, Street Stock, you do NOT run a spring on the front shocks. NASCAR Cup, Super Late Model, you are allowed to run a spring on the front shock. But you cannot run a spring on the shock and the small spring that comes on the car stock.
- b) Asphalt Modified, you must run the spring on the shock. The small front spring is not allowed.
- c) You must run one 1RC O-ring (Clear 5011, Black 5005) on each shock shaft. It can be placed in a stock position or under the bottom flange for a bump stop.
- d) No other bump stop can be used other than a 1RC O-ring (part number above).

#### 11) Miscellaneous

- a) Screws or nuts may be anodized or aftermarket, as it does not give any competitive advantage.
- b) Painting rims and frames is allowed.
- c) You are 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. (Adjustable Radius Rod 3016)

#### 12) 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, and \$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.
- b) If anyone is caught with illegal parts, the first time being caught is a warning. The second time caught is a 2-week ban. The third time caught is a 1-year ban. If the track owner feels the racer has cheated and considers it malicious intent. The track owner can override the above 1st, 2nd & 3rd time bans. The track owner has the right to ban any racer permanently. If a racer is banned and tries to come onto the property. The track owner will trespass on said individual.

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



### Racing Format

#### Heat Races

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

#### Main Events

- Main events are sorted into 6 car races, and your main event position is determined by your results from the two 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 – 20 Laps 6 Cars (2-3 bumps depending on number of heats)
  - C-Main – 20 Laps 6 Cars (1 bump up)
  - D-Main and Lower – 20 Laps 6 Cars (1 bump up)
- 

### Class Running Order

Heats: Rookie, EDM, Late Model, Sprint Car, Wingless Sprint Car, Asphalt Modified, Nascar Cup. UMP Modified, Pavement Modified, Nascar Truck, Super Late Model, Street Stock, Unlimited.

**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 that 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 judgment 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 judgment 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 completed after the restart, nobody will be awarded the lucky dog pass. If you cause the red flag, you will not receive the lucky dog, and you go to the rear.
- 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. This is per class.
- Commitment line: The green vertical line going into turn 3 is the commitment line. Drivers must stay above this line at 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 turns, without wrecking others. There will be lines at the top of each turn. That driver will have two laps to go above one of those two lines. Come to a complete stop, then 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 1 hot pit car adjustment. This does not include popping a shock back on. However, if you pop a shock on and make an adjustment. That counts as your 1 hot pit stop.
- If you cause a wreck, you do not get to keep your spot. The person who causes the wreck goes to the back of the field. If you cause a wreck and are in line to get a lucky dog, you will not receive the lucky dog pass.
- The top 3 cars in the feature race will pull into the designated turn stated in the driver's meeting. Only the tech person is to pick the cars up. Picking the car up will be an immediate disqualification.

## Class Specific Regulations

All Dirt Late Models are encouraged to switch to the New 3.0 bodies (6085)



### Rookie Late Models:

This class will consist of kids only & beginner racers in the rookie class who are less experienced racers. The race director will determine if anyone needs to move up. The Race Director has the right to combine any classes

-4 cell batteries (7002) Kids or 5 cell battery (7007)

-Stock with the following exceptions

- Upgrade the controller (Rule 6).
- 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 trim your front bumper or take it completely off.
- You can use any spring combination



### 602, 604 Late Model:

- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- 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 trim your front bumper or take it completely off.
- Maximum weight without the battery 300g, Minimum 260g
- Gears can only be grey (comes stock on the car) or the manufacturer's replacement for 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 front shocks! Back springs (5001) and short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)

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#### Super Late Model:

- 2-cell lipo 300mah
  - 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 trim your front bumper or take it completely off.
  - Maximum weight without the battery 300g, Minimum 260g
  - Gears can only be grey (comes stock on the car) or the manufacturer's 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) and short springs are also allowed (5008).
  - Digital Servo (7017) and solid servo horn (3025)
  - You may run the small spring inside the A-arm or the regular-size springs on the front shock. You cannot run both.
  - You may paint the chassis, but no modifications to the chassis
- \*602 late model drivers cannot race in the super late model classes.



#### Nascar Cup

All drivers are encouraged to switch to the new 2.0 bodies (6083)

- 2-cell lipo 300mah
- **Regulator 6V mode. Max 6.09v**
- Late Model tires (black regular compound 5560, chrome regular compound 5561).
- You can run a soft compound tire as well (black 5562, chrome 5563)
- You must run the front bumper.
- Maximum weight without the battery 300g, Minimum 260g
- Gears can only be grey (comes stock on the car) or the manufacturer's replacement for 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 to the shock. Back springs (5001) and short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)
- You may run the small spring inside the A-arm or the regular-size springs on the front shock. You cannot run both.

- You may paint the chassis, but no modifications to the chassis

### EDM or Eastern Dirt Modified



- 2s 300Mah Lipo Battery
- Upgrade the controller (Rule 6).
- 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)
- Maximum weight without the battery 290g, Minimum

250g

- Gears can only be grey (comes stock on the car) or the manufacturer's replacement, the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3015), 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)
- You may paint the chassis, but no modifications to the chassis
- Solid kingpin (3012) allowed

### UMP Modified:



- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- 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)
- Maximum weight without the battery 285g, Minimum 244g

- Gears can only be grey (comes stock on the car) or the manufacturer's 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 UMP small springs only, no springs on the front shocks! Back springs (5001) and short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)

- You may paint the chassis, but no modifications to the chassis



### 360 Wing Sprint Car:

- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- 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 (Sprint black 5532, chrome 5531/ EDM black 5537, chrome 5536)
- Maximum weight without the battery 275g, Minimum 230g
- Gears can only be grey (comes stock on the car) or the manufacturer's replacement for the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3015), 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)
- You may paint the chassis, but no modifications to the chassis
- Solid kingpin (3012) allowed.
- You must run the front and top wings on the car.
- You must run the top wing in one of the manufacturer's holes. You cannot drill a hole yourself.

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### 360 Wingless Sprint Car:

- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- 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 (Sprint black 5532, chrome 5531/ EDM black 5537, chrome 5536)
- Maximum weight without the battery 275g, Minimum 205g
- Gears can only be grey (comes stock on the car) or the manufacturer's replacement the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3015), and on the radius rod on the left rear (3016).

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- 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)
- You may paint the chassis, but no modifications to the chassis
- Solid kingpin (3012) allowed
- You cannot run any wings on the front or top of the car.



#### Asphalt Sprint Car:

- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- Asphalt Sprint Car Tires (black regular compound 5580, chrome regular compound 5581).
- You can run a soft compound tire as well (black 5582, chrome 5583)
- **You can run Super Modified tires soft compound (black 5567, chrome 5568)**
- Maximum weight without the battery 275g, Minimum 230g
- Gears can only be grey (comes stock on the car) or the manufacturer's replacement, the white gear (4001)
- Adjustable shocks allowed (chrome 5006, blue 5007)
- Adjustable tire rods on the front (3015), 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)
- You may paint the chassis but no modifications to the chassis
- Solid kingpin (3012) allowed.
- You must run the front and top wings on the car.
- You must run the top wing in one of the manufacturer's holes. You cannot drill a hole yourself.

#### Asphalt Modified:



- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- Asphalt Modified tires 38.8mm (black regular compound 5549, chrome regular compound 5550).
- You can run a soft compound tire as well (black 5551, chrome 5552)
- Maximum weight without the battery: 285g
- Gears can only be grey (comes stock on the car) or the manufacturer's replacement, the black gear (4000)

- 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)
- You must run the regular spring on the front shock. You cannot run the small springs inside the A-arm.
- You may paint the chassis, but no modifications to the chassis



#### Nascar Truck

- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- Late Model tires (black regular compound 5560, chrome regular compound 5561).
- You can run a soft compound tire as well (black 5562, chrome 5563)
- You can trim your front bumper or take it completely off.
- Maximum weight without the battery 300g, Minimum 260g
- Gears can only be grey (comes stock on the car) or the manufacturer's 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 front shocks! Back springs (5001) and short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)

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#### Pavement Modified

- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- Late Model tires (black regular compound 5560, chrome regular compound 5561).
- You can run a soft compound tire as well (black 5562, chrome 5563)
- You can trim your front bumper or take it completely off.
- Maximum weight without the battery 300g, Minimum 260g
- Gears can only be grey (comes stock on the car) or the manufacturer's 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 front shocks! Back springs (5001) and short springs are also allowed (5008).
- Digital Servo (7017) and solid servo horn (3025)



#### Street Stock

- You must run the 1RC street stock body
- UMP Chassis
- 2s 300Mah Lipo Battery
- Regulator 6V mode. Max 6.09v
- Upgrade the controller (Rule 6).
- Tires: 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
- You must run the front bumper.
- Maximum weight without the battery 300g, Minimum 260g
- Gears can only be grey (comes stock on the car) or the manufacturer's 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)
- Digital Servo (7017) and solid servo horn (3025)
- Soft, medium, or hard springs on the front (5009). Must be LM small springs only, no springs on the front shocks! Back springs (5001) and short springs are also allowed (5008).
- You may paint the chassis, but no modifications to the chassis

#### Unlimited Class & Figure 8 Class

- You must run a 1RC Chassis (Sprint Car, Midget, Late Model, UMP Modified, Asphalt Modified, EDM, Super Modified).
- This class is unlimited, run any chassis, motor, battery, tire, 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.
- Car must fit under the timing loops.
- No Tire Prep!



**Losi Nascar  
Xfinity Series**

- Straight out of the box with stock controller, battery & motor.
- You are allowed to run regular or soft tires.
- Controller set at 50%

**Nascar**

- Any Losi upgraded part for the NASCAR.
- Any motor
- Any controller

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

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