

Milton RC Raceway 1RC Rules

These rules apply to the 1RC divisions. These classes are intended to remain affordable and primarily box stock.

Only parts specifically permitted below are legal. A part being manufactured or sold by 1RC does not automatically make it legal.

Milton RC Raceway may inspect, disassemble, photograph, mark, seal, impound or exchange any component at any time.

1. Chassis & Body

- The correct stock 1RC chassis and body for the class entered are required.
- Cars must have complete bodywork, driver figure and required bumpers/headers.
- Bodies may be painted, wrapped or decaled.
- Normal trimming for tire clearance is permitted.
- No chassis material may be removed, drilled, filed or altered for weight reduction, chassis flex or performance.
- Normal crash repairs are permitted but may not intentionally change suspension geometry, mounting locations or weight distribution.
- No added ballast unless specifically approved by Milton RC Raceway.
- Only genuine 1RC replacement or option parts designed for the vehicle are permitted unless restricted elsewhere in these rules.

2. Radio, ESC & Servo

Radio

The stock 1RC transmitter and receiver must be used.

Gyros, steering assistance, traction control or other electronic driving aids are prohibited.

ESC

The stock **1RC7014 ESC** is required.

Factory adjustments available through the original ESC SET button are legal, including punch, timing and braking adjustments.

The ESC may not be opened or internally modified.

Servo

Only the following servos are permitted:

- 1RC7020
- 1RC7017

3. Battery

The only legal battery is the stock **1RC7007 five-cell NiMH battery**.

The battery must remain completely stock. Opening, rebuilding, replacing cells, or adding cells is prohibited.

The battery must retain its original factory shrink wrap, label, wiring, connector and overall appearance

Battery Temperature & Impound

Artificial battery heating is prohibited.

A competitor's battery may not measure more than **10°F above the normally charged control battery**. A battery exceeding the limit may not be used.

Battery warmers, heating pads, hand warmers, heated containers or similar devices are prohibited.

Any excessively hot, damaged or unsafe battery must be removed from competition.

All 1RC cars must report to the tech table at least **5 minutes before their scheduled race**. Once a car enters impound, the battery must remain installed and the car may not return to the pits without tech approval. Battery temperature may be checked at any time while in impound

4. Motors

Only the exact motor and factory pinion listed for each class are permitted.

Motors must remain completely stock.

The 1RC 10,000Kv motor is prohibited in all three classes.

5. Gears & Drivetrain

Only the motor pinion and gear assembly specified for the class are permitted. Gears must retain the correct factory tooth counts and ratio. Mixing parts from different gear

assemblies or modifying the chassis/motor mount to install different gearing is prohibited. Tech may physically count gear teeth.

6. Tires

Only genuine 1RC tires approved below for the class entered may be used.

Tires intended for another class are prohibited.

Traction compound is permitted provided:

- It is odorless.
- Tires are dry before entering the track.
- The designated burnout carpet is used.

7. Dirt Late Model Specifications

Motor:

1RC7003 — 8700Kv with factory 10T pinion

Gearing:

1RC4001 standard gear assembly

49T rear spur

44/12 compound gear

1RC4016 heavy-duty equivalent is also permitted.

Tires:

1RC Dirt Late Model tires only.

The 12T pinion and Asphalt Modified gear assembly are prohibited.

8. Asphalt Modified Specifications

Motor:

1RC7000 — 8700Kv with factory 12T pinion

Gearing:

1RC4000 standard gear assembly

48T rear spur

43/13 compound gear

1RC4015 heavy-duty equivalent is also permitted.

Tires:

1RC Asphalt Modified tires only.

The Late Model/Street Stock 10T pinion and gear assembly are prohibited.

9. Street Stock Specifications**Motor:**

1RC7003 — 8700Kv with factory 10T pinion

Gearing:

1RC4001 standard gear assembly

49T rear spur

44/12 compound gear

1RC4016 heavy-duty equivalent is also permitted.

Tires:

1RC Modified (Dirt) tires as designated by 1RC for the Street Stock.

The 12T pinion and Asphalt Modified gear assembly are prohibited.

10. Sprint Car Specifications**Motor:**

1RC7003 — 8700Kv with factory 10T pinion

Gearing:

1RC4001 standard gear assembly

49T rear spur

44/12 compound gear

1RC4016 heavy-duty equivalent is also permitted.

Tires:

Genuine 1RC Sprint Car tires only.

Body:

Stock 1RC Sprint Car body/cage configuration with driver figure and required wings.

The 12T pinion and Asphalt Modified gear assembly are prohibited.

11. Tech & Penalties

Cars may be inspected before or after any race. The racer is responsible for removing or exposing any component requested by tech.

A pre-race violation may normally be corrected before competition.

Post-race violations involving performance-related components may result in disqualification, including:

- Illegal or modified motor
- Wrong pinion or gearing
- Illegal battery
- Battery-temperature violation
- Illegal ESC or electronics
- Illegal tires
- Unreported broken tech seals
- Refusal of inspection

Repeated or intentional violations may result in loss of points, suspension or removal from the facility.

Milton RC Raceway tech and race-management decisions are final.