

Milton RC Raceway Losi Wing Sprint Car Rules

The Losi Sprint Car class is intended to remain an affordable spec-power division while allowing normal chassis and setup adjustments.

1. Chassis & Body

- Must use the Losi 1/10 22S Sprint Car chassis/platform.
- Car must remain rear-wheel drive.
- Stock-style Sprint Car body, cage, driver figure, front wing and top wing are required.
- Normal crash repairs are permitted.
- Chassis may not be drilled, cut, filed or lightened for a performance advantage.
- Genuine Losi/TLR suspension and setup parts designed for the 22S/TLR 22 platform are permitted unless specifically restricted below.

2. Motor

Only the **Spektrum SPMXSM4800 3650 3300Kv motor** is permitted.

Motor must remain stock and unopened. Internal modification, component swapping or altering motor identification is prohibited.

Milton RC Raceway may inspect or seal motors at any time.

3. ESC

Only the **Spektrum Firma 45A Smart Lite ESC — SPMX-1106** is permitted.

The ESC must remain stock and unmodified.

Factory-programmable ESC settings are legal.

Aftermarket ESCs, boost devices, voltage boosters or additional power devices are prohibited.

4. Radio & Servo

Aftermarket radios, receivers and steering servos are permitted.

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

Normal radio adjustments such as steering rate, exponential, endpoints, throttle curve and brake settings are permitted.

5. Battery

Battery must be:

- 2S standard LiPo
- Maximum 6000mAh
- Maximum advertised 50C rating
- Maximum **8.44 volts**

LiHV batteries and LiHV charging are prohibited.

Batteries must retain their original manufacturer case, label and identification.

Opening, rebuilding, relabeling or adding cells is prohibited.

6. Gearing

Required gearing:

- **20T pinion**
- **84T spur**

Gears must retain the correct factory tooth counts.

Intentional filing, grinding or reshaping of gear teeth is prohibited.

Tech may physically count and compare gears to an unmodified reference gear.

7. Differential & Slipper

- Factory-style gear differential must be retained.
- Differential fluid is open.
- Factory-style slipper clutch must be retained.
- Slipper adjustment is open.
- Spools or locked differentials are prohibited.

8. Suspension

Normal chassis setup is open using genuine Losi/TLR parts intended for the platform.

Permitted adjustments include:

- Springs

- Shock oil
- Shock pistons
- Ride height
- Camber
- Toe
- Shock positions
- Differential fluid
- Slipper adjustment

Suspension mounting points may not be relocated by drilling or permanently modifying the chassis.

9. Tires

Only the following tires are permitted:

- Losi Hoosier Sprint Car Soft
- Losi Hoosier Sprint Car Hard
- Pro-Line Bald Eagle tires approved for Milton RC Raceway

Traction compound is permitted but must be odorless, applied outside the building and dry before the car enters the track.

The designated burnout carpet must be used.