

Early Modified, Indy Roadster, Sprint Car Rules

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Early Modified, Indy Roadster, Sprint Car Rules

1.0 INTRODUCTION

This ruleset uses one platform, but creates three very different cars in terms of handling characteristics. The Early Modifieds are great for new drivers. The motor is restricted but you get a fat rear tire. The Indy Roadsters allow a wide variety of motors, but the narrow, hard rear tire limits grip and necessitates a drift style of racing. The Sprint Cars are wild animals with big horsepower and the fat rear tires to lay down grip. Two motors, and two sets of tires are all you need to transition your roller through all 3 configurations.

2.0 AXLES

1/8th solid steel axles. Axle length may be shortened.

2.1 No independent front axles, however front tires may spin independently.

2.2 Rear Carrier

Brass axle bushings or oilites. No Ball Bearings, Offset Bushings, or button style adjustable bushings. Oilites or bushings outer diameter must fill diameter of rear carrier holes.

2.3 Front Carrier

No Bushings or bearings of any kind in Front Carrier. On LVJ Champs, wheelbase must be set to 3" or 3.25"

2.4 Axle Spacers"

Any type, but must comply with section 2.4.4

3.0 CHASSIS

3.1 Braid

Any braid designed for commercial guides

3.2 Guide

The JK, Parma or similar, ground down per track general comp rules

3.3 Allowable Chassis

- Sprints Plus Chassis - #1050
- LVJ Champ - #LVJ001

3.4 Modifications

3.4.1 Weight removal

Chassis may be drilled, lightened, reinforced, etc. Wheelbase may not be altered except as noted in section 1.3.

3.4.2 Weight addition

Weight can be added to car for handling. Weight must be located on the top side of chassis and underneath the body only.

3.4.3 Bracing

Motor mount bracing may be done with 1/16 brass rod, piano wire or hot glue.

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3.4.4 Car width

The width of the car will be 3" maximum, measured from the outside edges of the wheel/tires on each axle. No wheel/tire may extend farther than 1 5/8" from the center line.

3.4.5 Car length

Maximum length of the car may not exceed 5 3/4" measured from the front tip of the guide flag to the rear bumper.

3.4.6 Ride Height

If the chassis and crown gear do not touch the tech plate and they do not drag on the track surface the ride height is legal.

3.4.7 Early Modified Nerf Bars

Nerf bars are optional. If installed, they must meet these guidelines:

- Each side of the car must have one nerf bar not extending more than 3/4" beyond the side edge of the frame.
- At no time may a nerf bar extend beyond the outer edge of a rear tire.
- Must be made of scale appearing material

3.4.8 Early Modified Bumpers

Bumpers are optional. If installed, they must meet these guidelines:

- Front bumper may not extend in front of the center of the guide post
- Rear bumper must be made of scale appearing material.

3.4.9 Sprint Car Bars

- Sprint Cars may have side bars which do not exceed the width of the narrowest track of the car.
- Roll bars may be added
- Tank guard may be added

3.4.10 Inclusivity

No other modifications to chassis are allowed

4.0 MOTOR

Must be secured with at least one motor screw – may also use hot glue or solder. All motors should be stock and not opened

4.1 Early Modified

Note – While SRP calls their motors 13D, they are standard FK130 motors with cooling holes similar to JK Falcons.

- SSS Small Block
- SRP 13D Speed18

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- SRP 13D Speed20
- H&R 18k
- Other motors not exceeding 21k must be submitted for approval.

4.2 Indy Roadster and Sprint Car

FK130 (JK Hawk MB, Falcon, SRP, etc.), and similar not exceeding 75000 rpm

4.3 Wires

Single wires, any brand

5.0 WHEELS/TIRES

5.1 Indy Roadster Rear

Smilin Ray's Eldon repro tires on American Line wheels for 1/8" axle.

5.2 Early Modified and Sprint Car Rear

Tire should be no wider than .5" and between 13/16" and 7/8" diameter and use 1/8" axle. Silicone tires not permitted.

5.3 Early Modified and Indy Roadster Front

Front tires must be at least 3/4" in diameter and not more than 7/8" in diameter. The width of the front tires must be at least 3/16" wide. No "O" ring tires, must have a flat profile.

5.4 Treatments

Tires may not be coated. No glues or oils may be used (wintergreen, etc.). Acceptable fluids/treatments include creams, lotions, household softener, lighter fluid. Others need approval. No tire treatment should leave a residue on the track. Local track rules may be more restrictive.

6.0 GEARS

48 pitch Crown Gear (1/8" Axle) 48 Pitch x 26-33 Tooth and any 48 pitch Pinion

7.0 BODIES

7.1 Sprint Car

Lexan, plastic, and laminated one and two piece are allowed.

Hood must be mounted at least 1/4" below cross bar of roll cage.

Tail must extend at least 3/4" behind rear edge of rear axle.

Nose and tail may be separate pieces (side panels must be used as appropriate)

Both hood and tail must be mounted securely and painted.

Tail must be numbered.

Must have 3D driver. Cockpit may be cut out if using driver bust.

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7.2 Indy Specs

No portion of the body intended to be part of the car may be cut off.

Node vents may be opened.

Tail, hood, or doors must be numbered

Must have 3D driver. Cockpit may be cut out if using driver bust.

7.3 Early Modified Specs

Windows must be clear or cut out

If windows are cut out, plastic driver figure must be used

Radiator shell must be retained

Trunk must be retained

Scale engines may be mounted. Side panels and hood may be cut to allow for induction and headers.

7.4 Manufacturers – Early Modified

7.4.1 Skinnys Coupes and Sedans

7.5 Manufacturers – Indy

7.5.1 EJ's Watson Roadster

7.5.2 K&B Roadster

7.5.3 Skinnys – 2 models available

7.6 Sprint Car

7.7 Sprints Plus, Rigger, Skinnys, hotlapsracin, Dirt Slingers