



OUTLAW 350 SUPERMODIFIED/SPRINT SERIES

2024 SPRINT CAR RULES

HP MAX: 430

GEAR RULE: TBA

TACH MAX: 6500

2024 RULE CHANGES ARE HIGHLIGHTED

ENGINE:

Teams can use a 602/604 crate motor that is used in competition - must be run as manufactured by GM. All motors to be run at 1650/1750 LBS.

- 1a.** 604 Crate Engine run as manufacturers by GM and sealed. 1750LB5
- 1b.** 602 Crate Engines run as manufacturers by GM/RaceOne and sealed. 1650LBS
- 1c.** Home Built Engines:

Block: 350 w/0.30 clean up allowance/compression at 9.72-10.1

Crank: 3.48 Stroke-581bs-external balance **NO ultra-light crankshafts**

Rods & Pistons: Rods -5.7 Piston are flat top only

Rocker Arms: 1.5 only hydraulic roller lifters

Heads: Stock 604 GM heads - 62cc chamber

ProMax Series-PMX9200HR (aluminum)

NO porting or polishing

NO decking or angle cuts

ALL STEEL heads must be 23 degree

Valve: .200 intake 1.55 exhaust - max lift .550

Camshaft: Steel hydraulic roller taper

Cam lift: .474 intake/.510 exhaust

Cam Duration: @ .050: 208 degrees intake .221degrees exhaust Lobe Separation: 112 degrees

Intake: GM Manufacturers only (f:IJ2/604)

Oil Pan: Stock GM 604 pan - must be 7 ½ inch pan

Push rods: 7.122

- 1d.** 305 Rules and Restrictions TBS later
- 1e.** Any other engine must be approved by OUTLAW 350 SERIES Tech Official.

CARBURETOR:

4150 HP series, Part# 0-80514-1 or -2, 650 CFM 4/BBL carb with no spacer, bolted directly to intake. The #0-80541-2 or -3 are the replacements for -1 which has been discontinued. 0-08541-2 and 0-80541-3 are cast aluminum body carb and is not billet. Only single, maximum .070 thick gasket allowed. NO vacuum leaks between intake valves and top of carburetor. NO alterations and or metal removal from carburetor except enlargement of idle hold in throttle plate. Jets, power valve and accelerator pump squirters may be changed. Only on 4"x14" or less air cleaner element is allowed. NO scoops or forced air induction allowed. NO HP series carbs. 602 stock intake spacers are allowed.

IGNITION SYSTEM:

Magnetos and any battery powered ignition system is allowed. NO crank trigger systems, boosters or other devices allowed. One working coil only. NO systems with external box allowed. Battery must be securely fastened inside the main frame rails and outside the cockpit. Battery must have a protective cover. Teams may use MSD Circle Track RPM Control to prevent over revving.

COOLING SYSTEM:

All radiators and cooling devices must be mounted in front of driver cockpit. Water with additives is the only coolant, NO anti-freeze allowed. Cars found to have anti-freeze will be fined \$250.00. Cooling system must have a 2 quart or larger can or recovery unit located in engine compartment.

EXHAUST:

All exhaust pipes on each side shall run into a common collector. Header shall be kept away from possible fuel spillage areas. All parts of exhaust must remain inside of nerf bars. Mufflers shall be welded on the end of the header pipes. At a MINIMUM, all cars must run fully functional, unaltered Schoenfeld 113035 10" mufflers or equivalent. Or Morose #95051 or #95052. NO homemade mufflers or baffle systems allowed. Proper installation is subject to final track approval. Cars without proper exhaust systems WILL NOT be allowed to run at any time.

TIRES AND WHEELS:

Tire compounds for the 2024 season will be the 1060 on the RR and 1057 on the other three corners.

On opening day teams will be allowed to buy 8 tires, 4 must be run on opening night and 4 may be kept as inventory tires. You will NOT be given replacement tires for cut tires until inventory tires are used up. Each additional week teams may buy 2 tires. Tires must be run on the day they are purchased. New teams coming in after the third race meet has been completed will only be allowed to purchase 4 new tires and 2 inventory tires to start the season. All tires run at any 2022 heat or feature event must be purchased from Outlaw 350 SERIES only. Wheels must be steel or aluminum, max 10" wide, any offset is allowed. No magnesium or carbon fiber wheels. Wheels may not be any wider than 10". Bleeder valves may be used. NO soaking, grinding, buffing or altering of markings on tire. NO tire softening solutions allowed. Questionable tires will be confiscated by track officials. Teams caught with tire softener will lose all money for race meet, points for year to date and a two-race suspension. Bead lock wheels will be permitted, no wider than 10".

**All tires must be purchased through the OUTLAW 350 TIRE DEALER.

TACH:

All CARS must be equipped with a TEL-TACH so that we can see everyone's total RPM to help determine a gear drive rule once we gather all the data. We will establish a workable RPM of no more than 6500.

DRIVETRAIN / CHASSIS:

1. **FRONT END** - Independent front suspension is not allowed. Straight axle only.
2. **REAR END** - Any passenger car or truck rear end may be used. Quick change, posi-traction or locked rear end may be used. A max final drive ratio may be established if deemed necessary by track officials.
3. **DRIVESHAFT** - Driveshaft shall be contained with torque tube. Must have one loop.
4. **BRAKES** - All cars must have four wheel hydraulic brakes in good working order. Brake rotors must be ferrous alloy only.
5. **FIREWALL** - There shall be a firewall between engine compartment and the cockpit. Firewall shall be constructed of at least 20 gauge steel or aluminum and bolted or welded to the frame. Rear firewall is required in addition to fuel cell container on gasoline powered cars.
6. **WEIGHT** - Minimum weight, immediately after feature, with driver strapped in, shall be 1650/1750 LBS for all cars. No fuel can be added to car at scales to make weight. NO bolt-on weight allowed outside frame rails, all ballast must be painted white and securely bolted or welded to frame, outside driver's compartment. NO filling of nerf bars or bumpers. Cars found to be underweight will forfeit trophy, points and prize money for that event.

SPRINT CAR 602 SEALED CRATE ENGINES

1650 W/ DRIVER

SPRINT CAR 602 HOME BUILT ENGINES

1750 W/ DRIVER

7. **BUMPERS** - Front and rear bumpers capable of supporting the weight of the car are mandatory.
8. **NERF BARS** - standard industry sprint car nerf bars.
9. **ROLLCAGE / CHASSIS** - standard industry sprint car frames allowed.
10. **FUEL/ FUEL TANKS** - All cars must be equipped with a fuel cell in good working order. There shall be a check valve or PCV valve located within the fuel vent line, this will be part of safety check. Part #SV-08280BERG anti-siphon valve in main fuel line from fuel tank to fuel pump for gasoline. Fuel cell must be mounted with the main frame rails, fully enclosed in a container. Any type of gasoline or methanol is allowed. No additives or oxygenators allowed. Alcohol will be allowed. Fuel samples may be randomly taken any time.
11. **CAR DIMENSIONS/BODY/WING:**

Minimum wheel base - 83" maximum - 92"

Maximum right rear offset - 43" • measured from the center of the rear end to the further most edge of the right rear tire.

TOP WING IS MANDATORY and must be a sprint car design wing.

25 square foot maximum

Maximum width-61"

Minimum width - 54"

Maximum side board - 30"x75"

Wickerbill maximum - 2" high

Maximum nose wing (if used) - 6 square feet. Maximum width is 36" and maximum length is 24".

The nose wing may not extend past the front bumper.

Maximum over-all sprint car width is 78"

NO HYDRAULIC WING SLIDERS. The wing cannot be adjustable from the cockpit of the car. NO PNEUMATIC AIR CYLINDERS WILL BE PERMITTED. ANYTHING OTHER THAN A STANDARD SPRINT CAR WING WILL IDENTIFY AS A SUPERMODIFIED.

SUN VISORS on the roll cage - maximum of 5" high and no wider than the roll cage. They cannot extend above the cage.

Driver must be able to enter and exit the car without having to remove any panels.

BELLY PAN IS REQUIRED and must extend from below the radiator to the motor plate.

12. **SHOCKS** - NO external canister or reservoir shocks are allowed. Maximum price per shock shall be set at \$500.00 list price. If in question, price verification will be required.
13. **DRIVER'S SEAT/STEERING WHEEL** - Must be either steel or aluminum and provide support for both left and right side driver. Head rest with support on both sides of helmet is required. Full containment seat is MANDATORY. MANDATORY QUICK RELEASE STEERING WHEELS
14. **DRIVER'S BELTS** - A five point harness system is required. Belts shall be bolted to the frame. Each belt shall be fastened separately to a common quick release device. Belts must be dated no older than 3 years. Date tag MUST be visible. Complete belt assembly must be worn at all times on the track. All belts will be inspected for proper installation before being allowed to race.
15. **FUEL SHUT OFF/IGNITION SWITCH** - Shall be mounted within reach of driver and be clearly marked "ON" and "OFF". An ignition kill switch is MANDATORY and should be mounted in area of steering wheel. A toe strap kill switch is highly recommended.
16. **FIRE EQUIPMENT** -A fire bottle with a pull pin located within driver's reach when strapped in is MANDATORY. One nozzle must point at engine and minimum one nozzle pointing towards driver SEE DISCLAIMER.
17. **APPAREL** - All drivers MUST wear full firesuit, gloves and full face helmet. Full face helmet with proper fastenings and protective eyeshield is MANDATORY. NO snowmobile helmets. It shall meet SNELL Foundation testing standards with no less than a SNELL 2015 rating. Firesuit properly fastened at the neck, wrist and ankles is MANDATORY. Safety neck collar or hans type device is highly recommended.....SEE DISCLAIMERAll equipment and apparel will be checked before safety check sticker is put on car.
18. **NO radios and NO mirrors allowed.** A Raceiver for one way communication from race control is MANDATORY. A transponder, mounted 12" in front of rear axle, to body, is also MANDATORY. Cars that do not have a transponder will not be scored and car will be only awarded tow money, no points.
19. **APPEARANCE** -All cars must be neatly painted and lettered. Major body damage and paint work must be repaired by next race meet. Numbers will be assigned by track official, no letters or 3 digit numbers, track may request a different number to be chosen to avoid duplication. First car to register will get the chosen number in cases of duplication. A contrasting, legible number must be painted, minimum of 18", two stroke width on top surface of wing in addition to minimum 8" numbers on both sides of wing, nose, and rear of car. NO reflective or chrome numbers on top of wing.

VIOLATIONS:

RULES INFRACTIONS - Any car found illegal will not be awarded points, trophy or money for that race. Car must be made legal before racing again.

Drivers are responsible for the action of their crew members. Driver or crew members entering another team's pit and causing a disruption to the racing program may result in that team being docked points, payoff or suspension/probation.

A car or team getting a suspension from one track or series will also be suspended from all other participating tracks for the specified time.

A \$1250.00 COMPETITOR PAID PROTEST may be filed. **\$1000.00** will go towards the dyne expense and **\$250.00** will be held by Outlaw 350 Series. If the engine is found legal, the winnings and points will be reinstated. \$250.00 of the protesting fee will be refunded to the protested team.

Outlaw 350 Supermodified/Sprint Series Officials reserve the right to perform a thorough tech investigation on any car that seems to have a consistent competitive edge over the other competitors, combing over all rules, dimensions, weights and engine specifications.

DISCLAIMER:

ANY PERSON ENTERING THE SPORT OF AUTO RACING MUST ACKNOWLEDGE THAT IT IS A DANGEROUS ENTERPRISE AND NO RESPONSIBILITY ASSUMED BY OUTLAW 350 SUPERMODIFIED-SPRINTS SERIES, THEIR OFFICIALS OR AFFILIATES FOR ANY LOSS OR INJURY SUSTAINED AS A RESULT OR IN SPITE OF FOLLOWING THE FOREGOING RULES AND SPECIFICATIONS.

\$75.00 MEMBERSHIP FEE to participate in the organization. You must be a licensed member on any given race day to participate before you get on the track.

In order to qualify for any post season awards car/driver must compete in 10 of 11 events.

2024 POINT SYSTEM

Pos.	<u>QUALIFYING</u>	HEAT	FEATURE
1ST	15	10	50
2ND	12	7	47
3RD	10	5	44
4TH	8	3	42
5TH	6	2	40
6TH	5	1	38
7TH	4	1	36
8TH	3	1	34
9TH	2	1	32
10TH	1	1	30
11TH	1		29
12TH	1		28
13TH	1		27
14TH	1		26
15TH	1		25
16TH	1		24
17TH	1		23
18TH	1		22
19TH	1		21
20 TH	1		20