

# OUTLAW 350 SUPERMODIFIED/SPRINT SERIES

## 2024 SUPERMODIFIED RULES:

**HP MAX: 430 for 604 SEALED engine only**  
**GEAR RULE: TBA** **TACH MAX: 6500**

**RULE CHANGES FOR 2024 ARE HIGHLIGHTED**

### 1. ENGINE:

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

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

Crank: 3.48 Stroke - 58 lbs. - external balance.

**NO ultra-light crankshafts permitted.**

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

Rocker Arms; 1.5 only hydraulic roller lifters

Heads: Stock 604 GM heads (aluminum) - 62cc chamber

**ProMax Series PMX9200HR (aluminum)**

**NO porting or polishing**

**NO decking or angle cuts**

**ALL steel heads MUST be 23 degree**

**Starting in 2025, ALL supermodifieds will be required to have aluminum heads**

**NO steel heads will be allowed**

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

Camshaft: Steel hydraulic roller tappet

Lobe Separation 112 degrees

Intake: GM Manufacturers only (604)

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

Push rods: 7.122

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

## **2. CARBURETOR**

4150HP series, Part# 0-80541-1or-2, 650 CFM 4BBL carb with no spacer, Bolted directly to intake. The #0-80541-2 OR #0-80541-3 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 one 4" x 14" or less air cleaner element is allowed. No scoops or forced air induction allowed. NO HP series carbs.

## **3. IGNITION SYSTEM**

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

## **4. COOLING SYSTEM**

All radiators and cooling devices must be mounted in front of driver cockpit. Water is only coolant, NO anti-freeze allowed, cars found to have anti-freeze will be fined \$250. Cooling system must have a two quart or larger can or recovery unit located in engine compartment.

## **5. 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. As a MINIMUM, all cars must run fully functional, unaltered Schoenfeld 113035 10" mufflers or equivalent. Or Moroso #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.

## **6. TIRES AND WHEELS**

1. Tire compounds for 2023 season will be the 1060 on the RR and 1057 on the other three corners.
  2. 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 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 2023 heat or feature event must be purchased from OUTLAW 350 SERIES only.
  3. Wheels must be steel or aluminum, max 10" wide, any offset allowed. No magnesium, or carbon fiber wheels. Wheels may not be any wider than 10". Bleeder valves may be used.
  4. 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 that race meet, points for year to date and a two-race suspension.
- \*All tires must be purchased through the OUTLAW350 TIRE DEALER.

## **7. TACH**

All cars must be equipped with some type of Tel-Tach

## **8 DRIVETRAIN / CHASSIS**

5. **FRONT END** - Independent front suspension is not allowed.
6. **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.
7. **DRIVESHAFT** -Driveshaft shall be made of steel and shall be painted white for ease of visibility should it become detached from car. TWO driveshaft loops are required and shall be constructed of at least 1/4" x 1 1/2" material. Driveshaft shall be accessible for ease of final drive inspection.
8. **BRAKES** -All cars must have four wheel hydraulic brakes in good working order. Brake rotors must be ferrous alloy only.
9. **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.
10. **WEIGHT** -Minimum weight, immediately after feature, with driver strapped in, shall be 1800/2000 lbs for all cars. No fuel can be added to car at scales to make weight. Bolt on weight allowed outside frame rails, all ballast must be painted white and securely bolted or welded to frame, outside drivers compartment. NO tilling of nerf bars or bumpers. Max. allowable left side weight is 65% of cars total weight. Cars found to be underweight or over % will forfeit trophy, points and prize money for that event. Weight MAY be securely bolted on INSIDE or OUTSIDE the main frame rails.

SUPERMODIFIED 604 SEALED CRATE ENGINE

1800 LBS W/ DRIVER

SUPERMODIFIED OPEN ENGINE

2000 LBS W/ DRIVER

11. **BUMPERS** - Front and rear bumpers capable of supporting the weight of the car are mandatory.
12. **NERF BARS** -Are mandatory on both sides, minimum of 1 1/4"OD. Bars shall be constructed so tires are not beyond bar to prevent wheel hop. NO "battle bars" are allowed. Bars may not have any more than three upright bars with minimum spacing of 12" between.
13. **ROLLCAGE / CHASSIS** -Roll cages may be constructed of mild steel, DOM steel or chrome moly tubing with a min. OD of 1 1/2" and a min. wall thickness of .095", roll cage shall be gusseted in all four corners. Previously built 1 3/8" cars are grandfathered in. NO NEW CARS BUILT FROM 1 1/4" TUBING. 1 1/2" inch cars are recommended. NO sharp edges shall be left anywhere on the roll cage. Cages must be constructed with an inverted "V" or "X" type behind the drivers head.. There shall be no sheet metal on the roll cage whatsoever. Padding around helmet area is Mandatory.

14. **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-0828OBERG anti-siphon valve in main fuel line from fuel tank to fuel pump. Fuel cell must be mounted within the main frame rails, fully enclosed in a steel container. Any type of gasoline is allowed. No additives, oxygenators allowed. Alcohol will be allowed. Fuel samples may be randomly taken anytime.

15. **CAR DIMENSIONS/ BODY** -Cars shall be constructed with a min. wheelbase of 88" and a max wheelbase of 102" The track width (measured outside lip to outside lip of wheels) on the front or rear shall be a max of 84". Bodies shall be constructed of aluminum, steel or fiberglass. Body styles should resemble current ISMA body designs. No side panels higher than the drivers shoulders are allowed, when strapped in, race ready. Belly pan is required and must extend under radiator and motor.

16. **WINGS** -Maximum length of nose wing shall be 34" from axle to most forward point of front bumper. Max width of nose or canard wings will be 54" from outermost points of the wing. This includes endplates and/or wicker bills on end plates. Top wings shall be constructed of aluminum or steel with side panels no larger than 24" high. Wing must be no larger than 24 SF of surface area - no wider than 72". The top wing is allowed to have a maximum of two elements. Wings **CANNOT** extend past the outside width of the rear tires. Fixed or movable, air strut wings are allowed. Only one roof mounted wing allowed. No other wings allowed, including wing built into tail bodywork, except nose mounted canard wings.

17. **SHOCKS** -NO external canister or reservoir shocks are allowed. Maximum price per shock shall be set at \$500 list price. If shocks are found *to* not be in compliance, they will be confiscated.

18. **DRIVERS SEAT /STEERING WHEEL**-Must be either steel or aluminum and provide support for both left and right side of driver. Head rest with support on both sides of helmet is required. Full containment seat is MANDATORY. MANDATORY quick release steering wheel.

19. **DRIVERS 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 three 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.

20. **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. Toe strap kill switch or brake pressure switch are mandatory.

21. FIRE EQUIPMENT-A fire bottle with pull pin located with drivers reach when strapped in is mandatory. One nozzle must point at engine and minimum one nozzle pointing towards driver. "SEE DISCLAIMER"

## **9. DRIVER APPAREL**

1. All drivers MUST wear full tire suit, gloves and full face helmet.

2. APPAREL - Full face helmet with proper fastenings and protective eye shield 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 DISCLAIMER". All equipment and apparel will be checked before safety check sticker is put on car.

3. NO radios and NO mirrors allowed. A Raceiver for one way communication from race control is MANDATORY. A transponder mounted on front axle is mandatory. Cars that do not have a transponder will not be scored.

## **10. APPEARANCE**

22. All cars must be neatly painted and lettered. Major body damage and paint work must be repaired by next race meet.
23. Numbers will be assigned by track officials, no letters or 3-digit numbers, track may re-assign to avoid duplication. First car to register will get number in cases of duplication.
24. A contrasting, legible number must be painted min. 18" two stroke width on top surface of wing in addition to min. 8" numbers on both sides of wing, nose, and rear of car. No reflective or chrome numbers on top of wing.

## **11. VIOLATIONS**

25. **RULES INFRACTIONS** -Any car illegal will not be awarded points, trophy or money for that race. Car must be made legal before racing again.
26. Drivers are responsible for the actions of their crew members. Driver or crew members entering another teams pit and causing a disruption to the racing program may results in that team being docked points, payoff or suspension/ probation.
27. A car or team getting a suspension from one track or series will also be suspended from all other participating tracks for specified time.
28. A \$1250.00 competitor paid protest maybe filed. \$1000.00 will go towards the dyno expense and \$250.00 will be held by OUTLAW 350 SERIES. IF engine is found legal the winnings and points will be reinstated.  
\$250.00 of protesting fee will be given to the protested team.
29. **Outlaw 350 Supermodified/Sprint Series officials reserves the right to perform a thorough tech investigation on any car that seems to have consistent competitive edge over the other competitors, combining over all rules - dimensions - weight 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/Sprint 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 the 11 events.

# OUTLAW 350 SUPERMODIFIED/SPRINT SERIES

## 2024 POINT SYSTEM

<b>Pos.</b>	<b><u>QUALIFYING</u></b>	<b>HEAT</b>	<b>FEATURE</b>
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
15 <sup>TM</sup>	1		25
16TH	1		24
17TH	1		23
18TH	1		22
19TH	1		21
20TH	1		20