

2023 Outlaw Mini Rules – final

The Outlaw Mini division is the most advanced four-cylinder class racing at Wiscasset Speedway. The class lacks the restrictions found in entry level racing. Outlaw mini teams are afforded the opportunities to be creative and to implement “outside the box” ideas. The following rules are an effort by the competing teams and track management to put in place the parameters to be followed by all that compete. While we understand these rules may not be perfect and may not encompass all cars, we request they not be interpreted as opportunities to cheat and/or discover loopholes to gain advantage. We shall always welcome and work to accommodate all who respectfully meet the spirit of the rules and desire to join us racing Outlaw Mini’s at Wiscasset Speedway.

Since it would be both impractical and nearly impossible to list within the confines of any rulebook, all the modification, adaption and infractions that could and would be illegal, it shall be understood for the purpose of rule enforcement that only those items that are specified in this book are allowable and permissible. In addition, the Wiscasset Speedway management reserves the right to penalize anyone who violates these rules.

1 Body: Bodies and chassis may be interchanged amongst manufacturers. Engines and bodies must represent the same manufacturer. Five Star Gen 6 or AR Revolution body components WILL be permitted.

1.1 Air Flow Devices: A maximum of two rails mounted on roof running parallel to each other not to exceed one (1) inch tall.

1.2 Appearance: Must resemble a stock bodied automobile.

1.3 “B” Pillar: No add-ons to the fore side of pillar.

1.4 Clearance: Four (4) inch minimum clearance for all body components.

1.5 Construction: Aluminum and Fiberglass bodies allowed.

1.6 Nose Piece: No dirt or wedge style noses.

1.7 Numbers: All car numbers must be registered with Wiscasset Speedway. Car numbers must be a minimum of eighteen (18) inches high and three (3) inches wide.

1.7.1 Numbers shall be painted in contrasting colors to the car on both doors and the roof. Reflective chrome, gold or prism numbers are not permitted.

1.7.2 Roof numbers should be visible as read from the grandstand side of the car.

1.7.3 The car number must appear in six (6) inch high numbers in the uppermost right corner of the windshield and also on the right rear tail piece.

1.8 Rub Rails: Must be mounted tight against the body and be made of plastic.

1.9 Spoiler: Must be placed at back edge of tail piece.

1.9.1 Bracing: No braces allowed on leading side of spoiler.

1.9.2 Height: Thirty-nine and one half (39½) inches measured from the ground to the top of the spoiler.

1.9.3 Size: Maximum blade surface area of five (5) inches x fifty-eight (58) inches wide. Measured will be taken from the backside of blades.

1.10 Tail Piece: Rear of body must be enclosed. Must go from deck lid to bottom of quarter panels.

1.11 Windows: Original equipment windshield (safety glass) in good condition may be used. Minimum eighth (1/8) inch Lexan windshield is allowed with at least one (1) support strap installed close to center. All other glass and combustible material must be completely removed.

1.11.1 “A” Post: the longest edge may not exceed twelve (12”) inches.

1.11.2 Quarter: only if quarter window exists with body used.

2 Chassis: Tube or stock type chassis shall be allowed.

Definition of Tube Chassis – Any purpose built made for racing chassis.

Definition of Floor Pan Car – Must utilize the majority of OE/as produced vehicle structure. Outside of the main roll cage structure a basic front and rear hoop for crash and component protection is allowed.

2.1 Design: Minimum four (4) point roll cage is required. In addition to the required four (4) point roll cage, the structure may extend to the front as far as the radiator support and to the rear to sufficiently protect the fuel cell. Left side must have a minimum of four (4) horizontal bars with spacers. Right side must have a minimum of three (3) horizontal bars with spacers or an “X” and two (2) horizontal bars.

- 2.2 Door Plate:** A minimum of sixteen (16) gauge steel plate of sufficient length and width as to protect the driver must be welded to the roll cage.
- 2.3 Drivers Box:** The area immediately beneath the driver, floorboards, foot box and the vertical panels surrounding the seat area (front and rear firewalls and transmission tunnel) must be constructed of twenty-two (22) gauge steel and be of welded construction.
- 2.4 Fire Walls:** Front and rear firewall must be completely sealed from the driver compartment with sheet steel similar in thickness to existing car structure and securely welded.
- 2.5 Frame:** Must be square steel tubing a minimum of two inches x two (2 x 2) inches and is at least .120 wall thickness.
- 2.6 Fuel Cell:** must be a steel container with a check/rollover valve in the vent line; secured with two (2) straps front to rear and two (2) straps left to right. The minimum dimension of strap material is eighth (1/8) inch x one and one half (1½) inch. Fuel cell may not be offset.
- 2.7 Height:** Your choice of four (4) inch ride height is lowest point of frame or five (5) inches to lowest point of floorboard.
- 2.8 Interior:** Interior area of car must be completely enclosed in respect to the engine compartment, track surface, tires and rear (fuel cell) compartment.
- 2.9 Pipe:** Minimum roll cage tubing specification one and one half (1 1/2) inch x point zero nine five (.095) inch DOM or seamless tubing. Water tubing, exhaust tubing, etc. is unacceptable.
- 2.10 Steering Column:** A fabricated steering column must have a minimum of two (2) U-joints positioned so as not to allow the steering wheel to be pushed rearward in the event of a collision. Must have steering column stop. All steering wheels must have a center pad.
- 2.11 Tethers:** Hood and deck lids must have all bracing removed and be tethered to the car.
- 2.12 Welds:** All welds are to be of high quality and must surround the joint completely. Absolutely no butt welds or sharp edges anywhere.
- 2.13 Wheelbase:** Fabricated tube wheelbase minimum ninety-six (96) inches.

3 Drive Train:

- 3.1 Drive Shaft:** Must be steel and painted white.
- 3.1.1 Safety Loop:** required near the front of the driveshaft with material specification minimum of one-quarter (1/4) inch x two (2) inches. Rear driveshaft loop is recommended.
- 3.2 Engine:** Custom built engines must meet the following. No stroking or de-stroking will be permitted. No dry sumps oiling systems.
- 3.2.1 Block:** Must retain all OEM dimensions. Blocks may be decked. Maximum overbore allowed .040.
- 3.2.2 Camshaft:** All cams will be allowed. Roller valve train parts allowed only if OEM parts. No aftermarket.
- 3.2.2.1 Timing:** Variable valve timing will be allowed.
- 3.2.3 Carburetor:** Maximum 500 cfm.
- 3.2.4 Compression:** Maximum compression ratio of 11.99:1.
- 3.2.5 Crankshaft:** Knife edged cranks will not be allowed.
- 3.2.6 Cylinder Heads:** No aftermarket heads allowed. Casting numbers must be unaltered. The only alteration allowed to the required OEM cylinder head casting is that it may be port matched up to one half (1/2) inch from the gasket surface on both intake and exhaust.
- 3.2.7 Displacement:** Twenty-five hundred (2500) cc maximum prior to overbore.
- 3.2.8 Exhaust:** Exhaust system with a muffler is required and must extend past the drivers' compartment turning down toward the ground forward of rear axle. Cars with side or rear exhaust will not be permitted on race surface.
- 3.2.9 Height:** N/A
- 3.2.10 Lifters/Rockers:** Roller valve train parts allowed only if OEM parts. No aftermarket.
- 3.2.11 Manifolds:**
- 3.2.11.1 Exhaust:** Headers will be allowed.
- 3.2.11.2 Intake:** No aftermarket intake manifolds. The only intake manifold modification allowed will be to facilitate carburetor installation.

3.2.11.2.1 No material may be added to the intake manifold. No welding, epoxy or other material. To facilitate installing a carburetor on a fuel injected engine an adapter up to three quarter (3/4) inch thick may be used OR an adapter up to three quarter (3/4) inch thick may be used to adapt a carburetor to the cylinder head.

3.2.12 Oil Pan: Expanded/racing pans will be allowed.

3.2.13 Pistons/Rods: Connecting rods must be steel.

3.2.14 Valves and Springs: Must be magnetic.

3.3 Muffler: Exhaust system with a muffler is required and must extend past the driver compartment turning down toward the ground with the end of exhaust system under the race car. Exhaust will not exit out the side or the rear of the race car. Tail pipes must be angled at least sixty (60) degrees toward the ground.

3.4 Radiator: Any radiator that fits under the hood is allowed.

3.5 Rear Ends: Cars may be converted to rear disk brakes using production model parts from any make or model.

3.6 Transmissions: Transmission/trans axle may be of any production. Differential/Trans Axle may be locked.

3.6.1 Clutch:

3.6.2 Fly Wheel: Magnetic flywheel only.

3.6.3 Gears: Car must have functional reverse gear.

4 Electrical:

4.1 Battery: Battery may be relocated. Battery must be in a sealed battery box and properly secured.

4.2 Fans: Electric cooling fans permitted.

4.3 Ignition System: Any stock ignition or MSD will be allowed.

4.4 Starter: Must be in working order.

4.5 Transponders: Must be installed on left side eleven inches (11") from centerline of rear end. Refer to Transponder diagram under General Rules.

5 Fuel:

5.1 Air induction: No forced air induction (turbocharger/supercharger) allowed.

5.2 Anti-Siphon: Must use Oberg Fuel Safety Check Valve SV0828 on any mechanically operated fuel pump.

5.3 Carburetor: Carburetors are allowed – maximum 500 cfm. **MUST PASS CARB TOOLS**

5.3.1 500 cfm: Holley based #4412. Must not exceed the following specs:

Venturi bore: 1.373-1.377

Throttle bore: 1.6855-1.6856

Booster O.D.: .620(+ or -) .010

Booster I.D.: .380 (+ or -) .003

Combined throttle shaft & plate: .1868-.2008.

5.4 Cells: Approved and manufactured for racing.

5.4.1 Canisters: Minimum twenty-two (22) gauge steel, around fuel cells are required and must be located in back of the rear window. There must be a complete steel firewall between the fuel cells and the driver's compartment. No holes will be allowed in the firewall.

5.4.2 Filler Tube: The fuel cell must be filled from behind the firewall.

5.4.3 Height: Fuel cells must be securely fastened and protected if they hang below the rear bumper. A minimum of an eight (8) inch ground clearance between the bottom of the fuel cell and the racetrack.

5.5 EFI: Fuel injection allowed. Fuel injection computer must be stock OEM computer, factory computer upgrades allowed. Chips and flashers allowed to return settings. Must use the actual factory computer unit. NO STAND ALONE. Any size fuel injectors may be used. Any size throttle body may be used for the fuel injection

5.6 Filters: Must be of metal construction.

5.7 Injectors: Any size.

5.8 Lines: Any line containing a combustible material must be steel and routed outside of the driver compartment.

5.9 Pumps: Electric pumps permitted, must be wired through a low oil pressure cut off switch.

5.10 Spacers: **Any non-tapered spacer/adaptor up to one inch (1") thick.**

5.10.1 Gaskets: Two (2) .070 thick gaskets will be allowed.

6 Safety:

6.1 Battery: Must be in a sealed battery box and properly secured.

6.2 Fire Extinguisher: Minimum three (3) pound fire extinguisher mounted with quick release metal bracket within reach of driver when belted in. Extinguisher must be operational with full gauge reading.

6.3 Fluids: Car must not have fluid leaks of any kind.

6.3.1 Must have a minimum one (1) quart capacity sealed overflow container.

6.3.2 Water and a cooling additive only. No antifreeze allowed.

6.4 Padding: Any bar within the drivers reach must be padded with an approved fire-resistant product. Pipe insulation is not acceptable.

6.5 PPE: Personnel Protective Equipment.

6.5.1 One- or two-piece long sleeve SFI approved fire-resistant suit in good condition and free of rips, tears, or holes. Fire resistant shoes and gloves.

6.5.2 Helmet: Full face **must meet or exceed the Snell 2015 standard.** Must have face shield. Glasses, goggles, or open face helmets are not permitted.

6.5.3 Head and Neck: Support/restraint safety device highly recommended.

6.5.4 Under Garments: We encourage the use of fire-resistant underwear, socks, and head stocking.

6.6 Radios: Two-way communications shall be allowed; however, Wiscasset Speedway Management will require frequency registration.

6.7 RaceCeivers: Are mandatory equipment. Frequency 454.000.

6.8 Seats: Aluminum containment racing seat with right and left head supports. Seat must be mounted and attached securely to the cage. A support brace must be installed at the rear of the seat.

6.9 Seat Belts: Five-point quick release harness system in good condition mounted with three eighths (3/8) inch bolts minimum Grade 8 washers and locking nuts. These must be attached at two (2) separate points on the frame, equal distance from the seat back and not less than twelve (12) inches apart. (See manufacturer instructions for details). Sternum belts are highly recommended.

6.10 Steering Wheel: May be replaced with a removable made for racing unit. All steering wheels must have a center pad.

6.11 Towing: Towing identifiers are required. Two toe hook areas must be marked in the engine compartment and two in the aft section. This will be where tow hooks/straps are applied.

6.12 Window Net: Racing regulation window net with quick release attachment required to be securely installed on driver side window. Window nets must be securely fastened at all times when car is on racing surface.

7 Suspension:

Aftermarket suspension parts will be allowed.

7.1 Adjusters: No driver-controlled chassis adjustments.

7.2 Control Arms: Tubular upper and lower control arms allowed.

7.3 Steering: Any steering system allowed.

7.4 Shocks: Must be all of the following. Non-adjustable, non-rebuildable, sealed, steel and smooth body.

7.4.1 (5/12/23) **All shocks and struts must not exceed \$100.00 ea. All shocks and struts are subject to claim by Wiscasset Speedway**

7.4.2 Titanium parts are not allowed.

7.5 Spindles: Aluminum spindles are not permitted.

7.6 Springs: All springs will be allowed.

7.7 Sway Bars: Any sway bar system allowed.

7.8 Tread Width: Track Width shall be sixty-four (64) inches maximum measuring from center to center.

7.9 Traction Control: No traction control of any kind.

7.10 Wedge: Adjusters will be allowed.

8 Weights: Refueling after the race will not be allowed.

8.1 Double overhead cams.....+50 lbs.

8.2 Variable cam timing.....+50 lbs.

8.3 Tube chassis cars with longitudinal engine placement will receive no weight break.

8.4 Weights: Cars will be scaled to determine overall weight post-race, with driver in the seat.

Floor Pan Cars – Minimum twenty-two hundred (2200) pounds.

Tube/Pro 4 Cars – Minimum twenty-three hundred (2300) pounds.

8.4.1 Left Side: Maximum is fifty six percent (56%). Must remain at or below 56% prior, during, and postrace.

8.4.2 Ballast: weight must be located outside of the driver compartment with each piece attached with a minimum of two (2) three eighths (3/8) inch bolts, washers and locking nuts. All weight must be lead with each piece painted white and display car number.

9 Wheels/Tires/Brakes:

9.1 Bleeders: Tire pressure bleeders are not allowed.

9.2 Brakes: All four wheels must have brakes in good condition. Brakes must be OEM or OEM replacement.

9.3 Lug Nuts: Every wheel must have all wheel studs with required one (1) inch lug nuts.

9.4 Tire: Wiscasset Speedway Official Track Tire: Hoosier.

Hoosier Compound Ribbed 800, 23.5/7.0/13. Hoosier Compound Ribbed 800, 23.0/7.0/13. Either tire can be run any corner of car.

9.4.1 Conditioner: **may NOT be used in the Outlaw Mini division (new or used tires).**

9.4.2 Durometer: **All tires are subject to random testing. Testing may be conducted at any time including after heats and features.**

9.4.3 Penalties:

Heats: Forfeiture of heat finish and points. Must start feature at rear of the field.

Features: Disqualification (Last place finish), assigned 62 lineup points, must start rear of heat and feature next appearance

9.4.4 Replacement: Should a tire be damaged during the race event; it shall be the responsibility of the race team to present the damaged tire that day and within a timely manner for inspection. All tire replacements must have a written record from Tech regarding inspection and approval for replacement. Only tires with 50% or more tread will be eligible for replacement. Replacement of damaged tires will be limited to three (3) for the season.

All race car components, including sealed engines, may be subject to teardown/dismantle inspection at any time. Refer to General Rules, Tech Information Section.

The definition of OEM for the purpose of rule interpretation is a part specified by the manufacturer as being for a specific make, year, model of an automobile or commonly available thru a replacement parts supplier i.e.: NAPA, O'Reilly, Car Quest. This does not include GM Bowtie or Ford SVO.

DISCLAIMER: Motorsports at All Levels Pose a Risk to Your Well Being. Following the Rules Set Forth by Wiscasset Speedway in No Way Guarantees or Suggests Your Safety.

Last edited: 11/30/2022