

Merritt Stock Car Association

Mini Stock - Outlaws

2024 Outlaws Rules

Body & Vehicle

- All makes/models' car or truck. Front and rear wheel drive with 4-cylinder engines. No all-wheel drives.
- All doors must be bolted, riveted, or welded shut. (ONLY EXCEPTION: In case of accessibility requirement, driver/pit crew must prove to safety tech that modifications are safe for driver of the vehicle, and other vehicles on the track)
- Driver's window may be enlarged for driver entry, but must be kept to a minimum and cannot go lower than the uppermost cage door bar
- All glass, trim, lights (including lenses), emblems, etc. must be removed from the car, windshield is allowed but optional. 4 Inch Inside mirror allowed, no outside mirrors. A minimum of 3-4 evenly spaced bars (3/8" minimum steel) must be welded vertically across windshield opening in front of the driver, unless using optional windshield. A screen may be fastened over the bars if desired. Screens must be painted flat black.
- Two hood pins must be used to secure front hood and rear trunk (2 each) if stock hinges are used. Otherwise, they must be secured with four hood pins each.
- Fuel Cells are Highly Recommended. If running a stock Fuel Tank, Tank must be in front of rear axle (on solid rear axle cars/truck) or in front of rear control arm mounting location (on Independent Rear Susp. cars/trucks). Stock fuel tanks Must have min. 22-gauge skid plate mounted between tank and racing surface.
- Rear firewall must be constructed of 22-gauge sheet metal and all holes must be sealed to seal drivers compartment from fuel compartment.
- Aftermarket aluminium seat only. Mounted to the roll cage only. CAN NOT be mounted to floor.
- Making the vehicle lighter is an option but firewalls (front and back) must be complete and intact. Firewall must be left in factory location. (Stock firewall, 22-gauge rear firewall) and must have stock floorboards from front fire wall to Rear Firewall and from Rocker panel to Rocker panel. Rocker Panels must be left in stock location. If rocker panels have rust, patching of rust is allowed. Sub Frame connectors allowed.
- Removable steering wheel recommended.
- Must have tow hooks front and back, chains bolted/welded to frame allowed.
- Weight rule
 - All cars must be 1lb/cc.
 - Engine size and weight must be displayed on right front fender beside car number, decaled or painted. (1.5l fuel injected, must read, 1500 cc/ 1950lbs or 1.5l carburetor , must read, 1500cc/1500lbs) .
 - 50lbs weight break for any driver using either a Head and Neck Device (with at least 1 head support mounted on driver's seat) or using a full containment seat (Max of 50 lbs). Must be tech'd before the start of the first race of the day to be eligible.

- All cars will be weighed before heat races and the top 3 cars will be weighed at the end of the feature before trophy presentations.
- Paint scheme of any colour and/or design. No offensive or inappropriate graphics. Numbers on doors and roof must be legible and 20" tall.
- All cars must have front and rear bumpers and must be mounted by stock method (or reasonable alternative) and have safety chains or cables from bumper to frame to prevent loss during competition.
- All Cars or Trucks MUST Start the race day with all body panels and must be in good condition. ALL Major dents and damage must be repaired by the next race day.
- Aftermarket bodies allowed. Bodies must be stock appearing. No wedge/late model style bodies allowed. Mixing of manufacturers allowed (Honda body on Toyota chassis etc)

Brakes

- No converting drum brakes to disc brake unless stock option on vehicle. Stock brake parts only!! No brake bias adjusters
- All 4 brakes must work on car at the start of the race day.
- Aftermarket Brake Pedal Assemblies allowed.

Engine and drive train

- Carburetor and Fuel injected engines allowed.
- No Turbos or Superchargers. No Rotary engines permitted.
- Front or rear wheel drive only. No all-wheel drive permitted. Manual or automatic transmissions permitted. Maximum wheelbase is 107".
- YOU MUST MAINTAIN A STOCK STROKE +/- .010". Any four cylinder engine in stock location allowed. No after-market or racing blocks. No dry sump. Only flat top pistons allowed. No titanium wrist pins allowed. Any steel rod allowed. Stock OEM production crank shaft only. No Machining of Crank other than for clean-up. Any distributor with any ignition box or stock ignition allowed. All engines must use an in-block wet sump oil system. No vacuum pumps allowed.
- Factory Production heads only - No aftermarket heads allowed. All heads must be stamped with factory casting numbers. Gasket matching is allowed, porting and polishing is allowed. Only Factory aluminium heads allowed, if engine did not come with a factory aluminium head option, then you cannot use an aluminium head, a factory steel head is then required. Aftermarket cams allowed.
- Headers are allowed. Mufflers are optional and exhaust should exit away from driver. Max 100db @ 100 feet Catalytic converters must be removed.
- One 2 barrel carb max, Unless Factory stock option of more than 1 carb. No 4-barrel carbs allowed. Adaptors and/or spacing plates allowed.
- Aftermarket Ignition coils allowed.
- Solid engine mounts allowed.
- Electric fuel pumps are allowed, but must be wired into a oil pressure, inertia switch or mercury switch system, to prevent them from running when engine has lost oil pressure or during a rollover situation. Consult class Rep.
- Gear ratios may be changed, and carrier may be welded.
- Any F.I. engine over 2200cc or 2500cc carb'd engine is allowed but must weights min 2800 lbs.
- Racing oil pans allowed.
- Drive shafts/Drive axles must be painted white w/ car number on shaft.
- Any 4cyl engines allowed within family line. (Ford to Ford, Honda to Honda, etc)- North American Production ONLY , No Overseas or Branded Motors (Cosworth , Spoon, Nismo , etc)
- No Antifreeze in cooling system. Water only

- Pump Gas only. No Racing Fuel allowed. Any fuel containing any type of alcohol will not be allowed, No nitro, methanol, E85, or exotic fuels
- Factory Computers (ECM) only. Programmers / Chips allowed.
- Engine must be in factory location. No set back or off set Engine locations
- Transmission/drive train must be same make as chassis (Honda to Honda, Chevy to Chevy ,etc). Any Driveshaft/Drive axles allowed.

Roll Cage

- Minimum of 1 1/2" OD pipe with min of .095" wall. Recommend 1 3/4" pipe.
- Must be attached in a minimum of 6 points (Main cage mounted in 4 points with 2 rear down bars mounted in trunk area)
- All roll cages will have a minimum of 3 bars on the driver's side and 2 on the passenger side (Door Bars). Drivers' door bars must be as close to the door as possible. Top driver's door bar will be no lower than 3in's from the bottom of the original windowsill (Opening). The bottom bar can be no higher than 3 inches from the rocker panel. All cages must protect driver 360 deg. No "half" cages allowed. Must run centre halo bar to protect drivers from roll over impact.
- Front and rear hoops are strongly recommended.
- Roll cage cannot exceed past factory stock body.
- Roll Cage construction will be teched at the beginning of each season. Any unfinished or unsafe welds on roll cages will cause said car to be parked till repairs are made.
- Tubed style bumpers must be covered and not exposed in any way. Every style of bumper must be tied in to the body somehow as to not get caught on an edge of another car while racing.
(see picture at bottom for min. specs on cage)

Suspension

- Adjustments for camber is allowed.
- Sway bars must be OEM or OEM option for that make and model of vehicle.
- Racing shocks or struts are allowed. Maximum of 1 shock or strut per wheel.
- Adjustable coil over shocks or struts allowed. Coil over shocks or struts must have been a stock option from factory to be used. Weight Jacks allowed. Leaf Spring sliders allowed.
- Swapping of any suspension parts within a family line is allowed (ie. mustang to mustang, civic to civic etc). Must be factory type Suspension (no converting coil to leaf etc)
- Front lower, Rear Control arms and Trailing arms must be Factory stock and unmodified and in stock location.

Wheels and Tires

- 13in-15in wheels allowed, must be steel.
- 1in wheel nuts mandatory when Aftermarket racing rims are being used. If stock wheels are used stock wheel nuts allowed.
- Street or dirt type racing tires allowed... no altering of tires ie. No siping, grooving, soaking, etc.
- Offsetting of rims allowed. Minimum of 2in offset, Max of a 4in offset.
- No Studs in tires. Winter Tires allowed.
- Max of 8in wheel width.

If you are unsure, talk to your class rep!

Last Edit: Dec 1, 2023