



2019 Sport Mod Rules

(These rules are the 2018 AMRA rules, except for the tire rule which will be effective June 1, 2019 and the qualifications to run Moler/PRP style cars. See below)

GENERAL RULES

1. Review all general track rules prior to competition
2. Officials shall have full authority over race cars at events. At the discretion of the official(s) in charge, any competitor may be disqualified for rules violations, or hazardous equipment, or hazardous actions.
3. All vehicles are subject to inspection by an official at any time. The driver is required to bring the car to the official area in order to be allowed to participate. Only under extreme conditions will officials inspect cars in their own pit. Approval of a participant's race vehicles; or other equipment; by an official inspector shall mean only that the vehicle is approved for participation in a competitive event; and shall not be construed in any way to mean, or imply that the inspected vehicle is guaranteed to be mechanically sound or safe. Be it further known and understood that track nor officials shall not be held liable for any mechanical failure nor for losses, injuries or death from same.
5. If you are driving in the Sport Modified class, you are permitted to drive in another class for the same racing event.
7. No type of radio communications are allowed except for Raceivers or Nitro Bee Race Receivers when they are required.
8. Any unsportsmanlike conduct by a driver, car owner, pit crew member, agent, etc., shall be grounds for disqualification and/or punitive action; including, but not limited to any and/or all or a combination thereof: probation, suspension, fines, loss of any and/or all points, loss of any and/or all purse/prize money; which shall be determined by the officials, drivers are responsible for the conduct and actions of their car owners, crew members, agents, etc. Failure to furnish a Social Security Number (SSN) or providing a false Social Security Number when requested as part of what is required by the I.R.S. will result in the same penalties provided for above.

9. Absolutely no alcoholic beverages will be consumed by drivers or their pit crews prior to, or during a sanctioned event. The use, distribution, or sale of illegal drugs at any time can be cause for immediate, indefinite suspension.

10. Drivers under age 18 years of age must have a signed and notarized parental consent form signed by a parent or legal guardian. Said document shall be in the possession of the track office and the race track before participation of said individual will be allowed. Track insurance regulations hold precedence in regards to minimum competition age. Participants may be required to undergo a physical/ substance examination before an individual is allowed to compete in events.

11. There are no membership fees or registration fees to run a Sport Mod at Atomic Speedway

Note: PRP/Moler style cars are allowed with that type of suspension and motor rules, but you must run our carburetor, no exceptions.

We will follow the AMRA Modified rules with the following exceptions:

Engine:

1. Blocks

a. Chevy 350, Ford 302 or 351W, Mopar 340 or 360. OEM steel block only. (Max Cubic Inch 390.)

b. 602 Crate Engines will be allowed with cast iron heads (no aluminum heads). The 602 crate engine must maintain original dual plane intake. Carburetor must match the rest of the rules

2. Harmonic Balance

a. Must be SFI approved.

3. Compression

a. 175lbs. max compression (Hot) NO TOLERANCE.

b. Must be dish or flat top pistons.

c. No gas ported pistons.

d. 602 Crate Engine must have 175 lbs. of compression or less per cylinder

e. 3/8 "Diameter rocker studs maximum.

Carburetor:

1. 1 stock (4412) 2 barrel Holley no modification except removal of choke plate. A straight open hole spacer allowed. (NO Super sucker type spacers allowed.) You may change jets, power valve and accelerator pump only. Must use stock metering blocks. There is a \$360 (cash only) buy out on any carb or trade claimer for his. Driver must stop on front stretch to make claim then proceed to tech. Anyone refusing buy out will lose all money and points accumulated for that night. A Driver placing a claim must be on the lead lap.

Air Cleaner:

1. Only one single round air cleaner. No air boxes.

Fuel Pumps:

1. OEM style diaphragm pumps only.
2. Must be mounted in Stock location.
3. No electric or belt driven pumps

Heads:

1. Heads must be steel only with stock diameter valve spring. (Example: Chevy 1.260 not 1.625) No beehive or barrel springs, no stud girdles, must have OEM style stamped steel rockers, may use roller tip only. Roller rockers allowed, but no shaft rockers or pedestal mounts and must be $\frac{3}{8}$ stud for rockers.
2. OEM type if factory is 23 degrees valve angle your heads must be likewise.
3. No porting of any kind. (This to include gasket matching & bowl blending.)
4. No Canted Valve Heads (Cleveland Type)
5. No spacers between heads & intake.

Cams:

1. Hydraulic or flat tappet (solid) no roller of any type, must fire OEM (example: Chevy 18436572) no 4-7swap cams.

Intake Manifold, Adapters and Spacers:

1. Any 4 BBL open plenum.
2. Max 1 $\frac{1}{4}$ " tall; no porting or machine matching of any kind. (This dimension Includes gaskets.)
3. No Velocity tubes on adaptors or built into the intake of any kind.
4. NO PORTING of any kind (this includes gasket matching or anything to increase air flow) to be as taken out of the box.

Ignition:

1. No trigger type and /or crank trigger type: MSD or HEI (OEM) is permitted.

Oil Pump:

1. Must be wet sump only (in the pan) no external oil pump of any kind.

Oil Pan:

1. Must be steel only no exceptions.

Evacuation Pump or System:

1. No evacuation pump of any kind on the engine.

Battery:

1. Only one American passenger car battery with a maximum of 12 volt. (No 16 volt battery)

Transmission:

1. Bert, Brinn, Falcon etc.
2. Must have forward and reverse working.

3. Must have an explosion proof bell housing

Rear End:

1. Quick change or any American OEM.
2. NO cover on pull barspring.

Shocks:

1. Steel CRIMPED / SPUN tube top and bottom, non-adjustable, non-rebuildable. With a \$80.00 Buyout. Must have a fixed bearing and can have a removable heim joint. (No Schrader valves or remote reservoir shocks of any kind.) No gas shocks of any kind. Oil filled only. NO bump Stops. Some of AMRA Shocks approved: * If you do have other shocks they must be approved by an AMRA Tech. AFCO - 1400 series, 1200 series INTEGRA - 4200 series P/N 310-421XX PRO SHOCKS - WB Series P/N WBXX **NO ALTERING OF SHOCKS

Weight:

1. 2500lb. (Any inspected, verified, and factory sealed GMPP crate 602 2350lbs.) *Track scales are the official scales.

Suspension:

1. Must comply with AMRA Modified Rules.
2. Any 3 Link or OEM 4 Link get 100lb weight break.

Body:

1. Must comply with AMRA Modified Rules with the exception of no spoilers.

Tires:

Effective from January 1st- May 31st: 1. Follow AMRA Modified Rules. Must run same rear tires all night. They will be checked and marked during inspection. If you have a flat the track tech must approve replacement tire. Tire must be same make and compound of old tire. It will also be marked.

Effective June 1, 2019: The only tires approved for competition are the Hoosier: M-30s and the M-60 compounds. The maximum width of the tire will be 9" inches. The M-60 may be used as a RR option. No grooving allowed. Siping is permitted.

Cooling System:

1. Cooling System may be modified. Radiator and oil cooler must not protrude above interior. No Electric water pumps or cooling fans. No sprinkler systems. Any overflow tubes are to be directed to the ground, between frame rails.

Starter:

1. All vehicles must have the capability of starting without being pushed or pulled. Starter must bolt to engine in factory location and working. This means the stock starter must start the car and be the only one on the car.

Exhaust:

1. May use aftermarket headers. Exhaust system must be mounted in such a way as to direct spent gases away from cockpit of vehicle and away from areas of possible fuel spillage.

Exhaust header outlets no higher than midline of the body sides. Officials may require turn downs on the collectors. Dual exhaust only no "Y" pipes or 180 headers. No oxygen sensors allowed. Tri "Y" headers are not acceptable.

Fuel:

1. Gasoline ONLY (No Alcohol) Race Fuel is allowed.