



## **Penn Can Speedway and Afton Motorsports Park** **2026 Crate 602 Sportsman Rules**

**Engine Rules:** GM Crate 602 engines only. Engines must remain in stock condition. Must be factory sealed by GM or an approved track or organization. Tampering with seals will result in an automatic full engine inspection at the owner's cost. All internal parts must remain stock (see: "Valve Springs" below). Afton Motorsports Park or Penn Can Speedway officials have the right to perform any tests including but not specific to rocker arms, pushrod and valve spring inspection, tests of cubic inch, compression ratio and Cam Doctor. Any engine competing at Afton Motorsports Park or Penn Can Speedway is subject to further testing and confiscation by track officials.

**Valve Springs:** Any factory appearing Valve Spring is permitted so long as the Valve Spring remains under 1.250 OD. No additional tolerance will be permitted.

### **Carburetor/Fuel Delivery System:**

Carburetors must be 650 or 650 HP ONLY. All carburetors must pass go/no-go gauges (please contact Afton Motorsports Park Or Penn Can Speedway's tech inspection team if you are unsure). Must be of Holley design: no billet center sections (billet base plate permitted). Metering blocks and bowls must be of stock appearing design. Booster height must remain stock; no cutting or polishing. Must have straight leg boosters. One-inch carburetor spacer (maximum open hole). No divider or cutting marks. Drilling holes in throttle plates for proper idling permitted. Plugging vacuum ports permitted. Welding the throttle shaft to linkage arm and drilling of idle or high-speed air correction jets is permitted. Only two (2) standard thickness carb gaskets permitted. Must run stock mechanical type fuel pump bolted to the engine, driven by the camshaft via a pushrod. No electric fuel pumps of any kind.

### **Distributor:**

The distributor must be stock-appearing. Welded distributors and/or lockout plates are permitted. Must have a stock appearing module and coil.

### **Rev Box:**

All cars are required to utilize the MSD Digital Rev Box No. 8727 CT. All wires must be visible. No cutting of any wires permitted. Ground wire MUST be grounded to the intake only with nothing else attached. There is a spud on the left side of the intake between the carburetor and distributor for this purpose. A maximum RPM of 6,200 permitted. All boxes are subject for confiscation for further testing. Rev box must be mounted outside the reach of the driver in the engine compartment. Rev box RPM must be visible to officials without removing the hood and/or panels. A small hole/opening is acceptable.

**Tachometer:**

Tachometers will not be used. The wiring must remain as specified by the ignition amplifier box manufacturer. No wiring will be allowed to be plugged into the distributor except the 8727CT wiring harness. External wiring that was previously plugged into the tach pigtail must remain unplugged.

**Body Rules:**

For 2026, Afton Motorsports Park and Penn Can Speedway will adopt DIRTcar outer body rules. Any exceptions will be noted.

**Doors:**

The top of the door when measured from the ground will be a maximum of 38 inches and a minimum of 30 inches when measured 60 inches from the rear axle centerline. The rear of the door when measured from the ground will be a maximum of 42 inches to the top of the door when measured 16 inches from the center of the rear axle centerline of the rear forward. The ground clearance on the bottom of the doors must maintain a maximum of 12 inches and a minimum of 6 inches from the ground.

**Composite Panels:**

Composite plastic material may be utilized for right-side doors and right- and left-side quarter panels only. Afton Motorsports Park and Penn Can Speedway officials reserve the right to approve or deny on a case-by-case basis.

**Quarter Panels:**

The rear quarter panels must be symmetrical in height, with or without plastic, and no holes. The rear quarter panels must be a maximum of 47 inches and a minimum of 40 inches from the ground at the rear and continue in a straight line with the top of the door.

A maximum 2-inch fender flare may be used, but the overall body width must maintain a maximum of 68 inches. The rear quarter panels may extend rearward a maximum of 48 inches when measured along the top plane of the rear quarter panel and a minimum of 44 inches at the bottom when measured from the center of the rear axle to the rear of the car.

A maximum of 16 inches and a minimum of 8 inches of ground clearance (when measured from the ground to the bottom of the rear quarter) will be permitted.

The plastic/rubber material utilized on the rear of the car may extend a maximum of 16 inches from the ground to a minimum of 8 inches from the ground on either side of the car. The panels may have one side plastic on one (1) side only provided the panel remains completely symmetrical.

Flanges at a 90-degree angle may be added to the rear quarter panels. The flange may only be added for the purpose of strengthening the panel. The flange must not exceed  $\frac{3}{4}$ -inch in length or width and must be mounted in a vertical position. Rear quarter panel flanges must face inward toward the centerline of the chassis. Air directional devices and/or side mounted spoilers of any type, which extend past the outside edge of the flat plane of the body will not be permitted.

**Rear Wing Upper Window:**

The rear wing window upper profile must not extend above a straight line projected from the rear of the roof to a point 3 inches higher than the rear deck. A minimum 2-inch indent in the profile, so as not to make the panel a fast back is mandatory. The maximum base length will be 61 inches. The left and right must be of the same style and dimensions (symmetrical). All rear wing(s) must have an opera-type window. The window must be Lexan. Lexan and aluminum must have one continuous, curved bow. Bends or breaks in the Lexan area of the window will not be permitted. Lexan must also be the bulk of the space. The rear view of the wing window must go in a straight line from the top of the quarter panel (tangent) or bodyline to the roof with a maximum gradual bow of 2 inches in the center of the wing window.

**Rear Spoiler:**

Rear spoiler rule maximum height: 50 inches – must be even from left to right. Spoiler may be constructed of Lexan or aluminum.

**Body Width:**

Body width, when measured at any point along the body line from front-to-back will be a maximum of 68 inches and minimum of 64 inches.

**Height Requirement:**

The maximum overall height of the car is 62 inches with a minimum of 53 inches measured from the ground. The maximum roof angle is 10 degrees with no tolerance. Offset or skewed bodies are not permitted. Aluminum surrounding the fuel cell is optional for Afton Motorsports Park and Penn Can Speedway.

**Afton Motorsports Park and Penn Can Speedway officials have final decision on all discrepancies.**

**Rub rails:**

Single or double rub rails permitted on either side.

**Water Pump:**

Any mechanical water pump – steel or aluminum – is allowed. Must be driven by the front-drive belt system. Electric water pumps are prohibited.

**Headers and Exhaust:**

All headers permitted with the exception of stainless. 3 or 4 inch exhaust only, no stainless. Evacuation systems and vacuum pumps are prohibited.

**Oiling System:**

Oil coolers are permitted. No external oil pump systems. Oil coolers can be mounted under or in front of the radiator or under the left-side wing area, no further back than the rubrail.

**Fan:**

No electric fans. Plastic, steel or aluminum fans are permitted.

**Rear-End/Driveline:**

No locker rear ends of any kind. Rears may be 8 or 10 inch ring-and-pinion. No midget rear ends. Steel or aluminum yokes are permitted. Steel driveshafts only. No titanium driveshafts, jackshafts, axles or driveline components. No titanium rotors or bolts of any kind.

**Traction Control:**

Traction control devices/systems of any kind are PROHIBITED. No driveshaft or wheel-speed sensors permitted.

**Titanium:**

Titanium is PROHIBITED anywhere on the car.

**Fuel:**

Sunoco 91, Can-Am Crate (98 octane), Sunoco 98/100, Sunoco 110 or VP equivalent - ONLY. NO OXYGENATED FUELS. Fuel is subject to testing by Afton Motorsports Park or Penn Can Speedway Officials.

**Wheels:**

Steel or aluminum wheels are permitted. No titanium bolts are to be used for bead-locks or bolting together a wheel.

**Tires:**

American Racer is the exclusive tire of Penn Can Speedway and Afton Motorsports Park. No specialty tires or block-tread tires permitted. No softening or chemically altering tires.

Left Front: 33 or harder

Right Front: 33 or harder

Left Rear: 44 or harder

Right Rear: 48 or harder

**Minimum Weight:**

All cars must weigh 2,350 lbs., post-race, with driver in car. Track scale pounds.

**Ballast Weight:**

All lead ballast weight must be mounted between the frame rails using proper clamps with one (1) grade-8 bolt required for every 10 lbs. of lead being held. All lead should be painted white with and labeled with car number. No filling rub rails or body mounts with lead or other type of material. Weight is not permitted in axle tubes. No steel axle tubes.

**Shocks:**

No remote canister shocks. Shocks can be adjustable, but all knobs or clickers may not be accessible while mounted on the race car. Must remove shock from the race car to change the compression/rebound and/or bleeds. The only adjustment allowed with the shock mounted on the car is gas pressure through a Schrader valve. All shocks must be on the open market and available for purchase. One (1) shock per corner ONLY.

**Springs:**

One (1) spring per corner. No stack springs permitted. A maximum of one (1) 2 ¼ inch foam type rubber (Christmas-tree style) bump stop will be allowed. One (1) take-up spring with a maximum rate of 5 lbs. per corner permitted. One (1) spring rod permitted on the rear of the car (either side).

**Spring Rubbers:**

One (1) spring rubber per corner permitted.

**Transponder Mounting:** Transponders must be mounted on the right side no less than 24 inches behind the rear axle centerline at a height of 12 to 18 inches from the ground. For optimum function, the transponder should be mounted as close to the ground as possible. Transponder should be mounted with no obstruction between the transponder and the ground

**Protests:**

All protests must be turned into the Head Technical Inspector within 10 minutes of the conclusion of the race. The protest fee must be paid at the time of protest. Only the car owner or driver may submit the protest.

Any refusal of inspection or non-compliance with an official protest will result in the disqualification of the protested car.

If the protested car is found to be illegal, the protesting fee will be returned to the team filing the protest less the filing fee.

Any altercation relating to the incident with Officials and any other participants by the team filing the protest will nullify the objection.

***Protest Fees are as follows:***

Complete GM Crate 602 Tear Down - \$8,000 cash bond (\$100 Protest Fee)

Partial GM 602 Crate Tear Down - \$1,750 cash bond (\$100 Protest Fee)

General Protest: \$500 cash bond (\$100 Protest Fee)

Fuel Protest - \$300 cash bond (\$100 Protest Fee)

Afton Motorsports Park and Penn Can Speedway officials reserve the right to ask for a legality test at any time. Refusal of such by a race team will result in a disqualification.

Officials also reserve the right to deny any Protest Request.

Visual Protests may be filed up to 30 minutes prior to the start of a feature and must be accompanied by a cash bond of \$250 (\$50 Protest Fee). Officials have sole discretion as to what is considered a visual protest.

**Fines:**

All moneys received from drivers via fines will be added to the 2026 points fund.

**Disqualifications Motor(Parts):**

1st offense: Loss of all points up to current night. Forfeit of money won that night. Two week suspension from both Penn Can Speedway and Afton Motorsports Park. Must provide proof the engine or part is fixed.

2nd Offense: Suspended rest of season from both Penn Can Speedway and Afton Motorsports Park.

All other disqualifications will be deemed by loss of points and money earned.

***ALL RULES ARE SUBJECT TO CHANGE AT ANY TIME BY MANAGEMENT OF PENN  
CAN SPEEDWAY OR AFTON MOTOSPORTS PARK TO ENSURE COMPETITIVE  
BALANCE. ALL OFFICIALS' DECISIONS ARE FINAL!***