

Rules Mini Stock Division 2024

SCOTIA SPEEDWORLD MINI STOCK RULES 2024

Note: Rule changes are bolded.

DISCLAIMER

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum requirements for such events. These rules shall govern the conditions of all events, and by participating in these events, participants are deemed to have complied with all these rules. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH, THESE RULES AND/OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official. **Track Officials** shall be empowered to permit minor deviations from any of the specifications herein or to impose any further restrictions that in his opinion do not alter the minimum acceptable requirements. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATIONS OF SPECIFICATIONS.** Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

INTENT

Scotia Speedworld officials will attempt to maintain a competitive field of cars while controlling the costs associated with fielding a car. Competitors will be discouraged from investing in any non-safety related items. Situations may arise where the intent rule is referenced. The division is open to any driver.

Driver's who, in the opinion of officials, "dominate" this division may be asked to move to another division for the following season.

APPROVED MODELS

Any four-cylinder, single camshaft non-turbo charged car with a maximum wheelbase of 106.1" and a complete stock body, frame and suspension. Serial numbers must remain readable on all cars. Cars may be front or rear wheel drive, with a standard or an automatic transmission.

All other makes with a maximum 1.8 throttle body fuel injection will be allowed. The following models with a maximum 2.2 (standard performance) will be allowed: Cavalier, Sunbird, and Firefly. Dodge Neon maximum 2.0 SOHC (standard performance 1998 and older models only) is allowed.

1998 and older powertrains may be transplanted into 2000 body styles, providing all the 1998 and older electronics are used as well.

Other models currently running in the lightning division:

- Ford focus wheel base, Mark 2 103 " 2.0 I dohc 2005
- Chev cobalt / Pontiac G5 wheel base 103.5" 2.2 dohc 2005
- Mazda 3 wheel base 103.9" 2.0l dohc 2005

"Be sure to call for approval before starting the build"

All new model once approved to proceed with the build will be monitored to make sure there is no advantage over the rest of the field . The track can add weight or other changes to ensure fair competition other than superior driver ability.

Notes: Absorbing Thunder cars within the Mini Stock Division

Any Thunder car (Hondas, Volkswagens, Subaru) will be permitted to compete in the Mini Stock series subject to the following changes:

Stock steel rims, as per manufacturer.

DOT non-speed rated tires (sizes to be determined and confirmed with Technical Director).

Weight to be added, as determined by Tech Official, if needed to ensure fair and equitable competition.

If there are any questions on eligibility contact Competition Director Craig McFetridge at (902) 209-6024 or at tech@scotiaspeedworld.ca. Changes and/or modifications must be approved by the Scotia Speedworld Technical or Competition Team.

Do not add anything to your car that you are not willing to remove.

BODY/BUMPERS

All glass, headlights and taillights must be removed except windshield.

Only the stock glass windshield is permitted except if the car has a full roll cage. In this case Lexan can be used in the place of the windshield, providing proof of Lexan can be shown. Lexan windshields may require bracing at the discretion of officials.

Tear-Offs for windshields are permitted.

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Driver's door must be welded and/or bolted shut. Drivers' side doorplate mandatory (see section 16).

Passenger door must be welded or bolted shut. Window openings will remain stock size.

Inner panels stay.

Window openings may not be closed in or redesigned.

One stock inside mirror, to the right of the driver, with a maximum glass area of 24 sq. in., measured at the widest points, is permitted.

One 4" maximum left side mirror is permitted. Must be mounted fully inside the body.

All cars must begin each race with a complete body (hood, doors, fenders, trunk, etc.) unless damaged in practice and/or O.K.'d by Pit Steward.

Stock front and rear bumpers must remain or be replaced by a maximum 2" (in any direction) pipe or tubing. Replacement bumpers must be welded to stock mounts and must remain at least 2" inside existing body or extend a maximum of 6" from the center of the stock mount, whichever is the lesser.

Tow hooks are required front and rear. They must be attached to any solid structure. Three or four links of chain welded to the bumper mounts is sufficient.

No added weight or ballast allowed. (The track reserves the right to impose a minimum weight requirement rule at any time. Teams will be given adequate time to meet requirements.)

INTERIOR

Stock dash, gearshift and pedals must remain. Aftermarket oil pressure and heat gauges are allowed. Roof insulation, floor covering, and bottom of rear seat must be removed. Seat must be bolted or chained to cross bar to prevent back of seat from going forward or backward.

Aluminum racing seat is mandatory and must be mounted to the original seat brackets and backs must be bolted to shoulder height cross pipe.

A removable steering wheel is permitted to allow entry and exit to the seat.

EXHAUST

A single stock sized exhaust pipe (Minimum 2.5' or have stock bolt bracket for resonator following stock pattern) must be attached to the stock manifold and remain the same size until it exits. Exhaust must point away from fuel tank.

FLOOR

Stock floorboards must remain. All holes must be covered with stock thickness metal and follow original contour.

GAS TANK

If original gas tank is ahead of the back of the rear wheels, it must remain and be used. It is mandatory that a safety chain be installed under the tank running front to back to catch the tank in case the original straps break. If original tank is located behind rear wheels, a smaller tank (maximum 10 gallons), with stock fittings, will be securely installed with metal straps/brackets in trunk, as close to the back of the back seat as possible, with filler inside trunk (this method is recommended for all trunk style cars). Hatchbacks or station wagons must have tank ahead of the back of the rear wheels in stock location under floor. It is recommended that fuel lines be run under the floor and not through the driver's compartment.

ENGINE, DRIVETRAIN AND COMPONENTS

Engine, transmission (automatic or standard), and rear end must remain stock. No interchanging parts. Compression ratio will remain as produced for base model only. Other makes and models are subject to similar restrictions at the discretion of officials. If you are unsure, please call before building. The following models with a maximum 2.2 (standard performance) will be allowed: Cavalier, Sunbird, Firefly. Should one particular make or model start to dominate, and it appears to be a superior car, not just exceptional driving ability, that model may have to move to Thunder.

Stock carburetor/fuel injection system for make and model only. Stock air intake systems. No K&N (or similar) filters. Stock filter must remain, but paper can be hulled.

Throttle bodies from automatic transmissions cars are permitted on manual transmission cars and vice versa.

All steering components, shocks, struts, etc. must remain stock for vehicle. Strut rubber must be stock for the car without any modifications. Wheelbase must remain the same on both sides. No tolerance. Minimum ride height will remain the same side-to-side and be no less than 5.5 inches with driver out of the car. No cutting or heating of springs is allowed.

Camber on all four wheels will be no more than 2.5 degrees (+/-), except the right front wheel which is permitted 4.0 degrees (+/-) post-race.

Alteration of stock components to achieve this camber reading is not allowed.

One stock bump stop in front and rear is permitted.

Rear sway bar not permitted.

Starting and charging systems must be operational. Alternators must remain and be operating.

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Stock will be interpreted to mean regular sedan models, not sport, GT, Rally, or any other special edition or performance enhanced models. No alterations of any kind.

Cars considered by Scotia Speedworld officials to have altered components could be subject to rejection or disqualification based on the decision of officials. Any car that requires bracing or reinforcing to remain in competition may no longer be allowed to compete.

HOOD

Full stock hood, bracing, and hinges must remain. Hinges may be disconnected but must remain. Only the latch may be removed and a tie-down or pins (one on each corner O.K.) used. All insulation under hood must be removed. No scoops or air dams. The battery must be located anywhere ahead of the front firewall and under hood. The battery must be securely fastened.

TRUNK

Full stock trunk, bracing, and hinges must remain. Rear hatch must remain. It can be bolted shut but must be able to be unbolted if requested by officials to verify complete original remains except for latch and gas shocks. Gas shocks must be removed from hatch. Floor must remain. Repair of floor O.K. with stock thickness metal. Must follow original contour. A quick hold-down release for fast trunk entry must be devised.

RADIATORS

Radiators must fit in stock radiator cradle. No antifreeze or other cooling additives allowed. Water only.

NUMBERS

Numbers must be 18" high on both doors and roof, and readable from the grandstands. Recommend white numbers on a dark surface or dark on white or day glow. No gold, silver, gray, metal flake or trick numbers allowed. Also require a 6" white number on the top passenger side corner of the windshield. Any numbers deemed difficult to score by the officials, the driver will be informed and expected to make necessary changes. Failure to do so could result in a refusal by officials to honor any scoring concerns about the effected car. Anyone requesting a number should call Marilyn Mason at 902-481-2514 weekdays between 8:30 a.m. and 4:00 p.m.

TIRES AND WHEELS

All tires must have a tread wear number on the sidewall of no less than 360. Any number that is not readable will be deemed illegal and not raceable. No dual compound tires.

12, 13, 14, 15-inch 60, 65, 70, 75, 78, or 80 series radial tires only. Any metric tire size up to P185-70 X 12 or 13 may be used. North American models may run up to P195-65 X 15. GM vehicles (Sunbird, Cavalier, etc.) may run up to P205-65 x15. No LT or anything other than "P" type allowed. No speed rated or performance tires permitted.

Newer model that cannot run tires sizes above, will run the tires size recommend by the manufacture as sold on the car when new.

Two left side tires must be equal size and the two right side tires must be equal size. Aspect ratio from left to right cannot be greater than 5. Example – Inside 185/60/15 and outside 185/65/15.

Sizes must be readable. Scotia Speedworld reserves the right to restrict tires with respect to price and availability to all competitors.

Scotia Speedworld officials may claim any tire at any time, for \$30. Tires will be part of the car claim. Cars are expected to race on used tires. The intent of the tire claim is to prevent people from buying new tires or to eliminate any unusual tires. Some entries could be limited to smaller sizes.

Stock passenger wheels (unmodified) only. Wheels must be stock size (width, height, and offset) for car. Maximum offset is 43mm positive and size must be factory stamped. All 4 wheels must be same. Maximum wheel width is 6".

No aluminum, chrome or chrome reverses wheels. Aftermarket nuts recommended on both front wheels.

No chemical treating of tires (i.e., Compound Altering / Tire Softening). Tires will be subject to durometer testing. Durometer readings **under 62** will lead to penalties/suspension.

BRAKES

Car must have stock four- wheel brakes.

All wheels must have working brakes.

No air ducts allowed.

SAFETY

Seat belts must be worn whenever car is on the racetrack. Belts must be in good condition and not less than 1 1/2 inches wide. A lap belt and shoulder belt are required.

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A minimum five-point harness is mandatory. Lap belts must be bolted to original seat belt mounts. Shoulder belts must be fastened to the roll bar at shoulder height. All belts must have seat belt mounts and fasteners. No tying, riveting, or any other method other than proper attachment is acceptable. Drivers are responsible to ensure all safety equipment is in good condition and securely installed. Safety harness must be replaced per manufacture recommendation.

Drivers' side window net, with quick release from top, is mandatory.

Full-faced helmets are mandatory. Helmet must be Snell SA or SAH, 2015 or newer. No DOT or M rated Helmets
Helmets must be worn whenever car is on the racetrack.

Helmets must be free of cracks and must accompany car at time of inspection.

A SFI Head & Neck Restraint system is recommended.

A securely mounted, easily removed (quick release) fire extinguisher is required, within easy reach of the driver. It must have a recharge slip dated no earlier than January first of the current year, or an unbroken seal. Bracket securing fire extinguisher to car must be metal type. No plastic brackets allowed.

Drivers must wear a S.F.I. fire rated Driving Suit. A two layer or a single layer suit with S.F.I. fire rated underwear is required.

Driver must wear SFI fire rated driver's gloves.

Driver must wear SFI fire rated driving shoes.

Roll padding used on the roll cage must be rated SFI-45.

A "kill switch" must be installed in the center of the dash. This "kill switch" when turned to off position must shut the engine off.

ROLL BAR

A four-point roll cage made of seamless 1.66" diameter .095 wall thickness roll bars is mandatory. The roll cage shall consist of 4 (four) vertical upright bars connected at the top on all sides. A shoulder height crossbar must the rear vertical uprights. 3 (three) horizontal bars are required on the left side door area and 2 (two) on the right side. (These are minimum numbers). Driver's side door bar openings must be filled in with 1/8" steel plate. A bar dash height across the front uprights is recommended. Bars may be mounted to the rear edge of the top halo and extend to the rear strut towers. 1/8th steel plates or other approved method must be used to mount to the cage to the body. Roll cage must run the full width of the frame, rocker panel to rocker panel. Cars with this roll cage are not required to use the exterior doorplate. Driver's door only inner panel may be cut out to fit roll cage door bars. *See example below:



LISTENING DEVICES

Scanners or Receivers are mandatory.

Scanners will only be set to track frequency. Frequency will be posted on the line up board at drivers meeting.

Scanners must be mounted out of driver's reach while buckled in seat.

No two-way communication. Listen only.

REPLACEMENT PARTS

If a replaceable part is found to be no longer available, call **Competition Director Craig McFetridge at (902) 209-6024 or at tech@scotiaspeedworld.ca**. Do not use whatever will work.

NOTE: The Neon is aging, and it is difficult to find cars and replacement parts. We are interested in investigating into adding a different brand (s) of cars that would be competitive to the Division. Call **Competition Director Craig McFetridge at (902) 209-6024 or at tech@scotiaspeedworld.ca** to discuss if you believe you have a viable package. "Do Not" start construction without speaking with him first.

Technical Questions

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Competitors can **Competition Director Craig McFetridge at (902) 209-6024 or at tech@scotiaspeedworld.ca** for any technical questions.

We endeavor to make to make the rules as explicit as we can. If it doesn't say you are permitted to do something, then you are not permitted to do it.