



Sports Development Group / Groupe de Développement Sportif

2024 ASN Canada FIA NATIONAL AUTOSLALOM REGULATIONS

Appendix B SCCA

SUPPLEMENTARY CATEGORIES 2024

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**ASN CANADA IS THE GOVERNING BODY OF MOTORSPORT IN CANADA
APPOINTED BY THE FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

These regulations are intended to assist in the conduct of events and to further general safety.

They are a guide, and in no way a guarantee against injury or death to participants, spectators or others.

Canadian territories and regions may adopt these regulations for use within their jurisdictions if they choose to do so including the sole responsibility for the administration thereof.

No express or implied warranties of safety or fitness for a particular purpose shall be intended or result from publication of or compliance with these Regulations.

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Note: Regulations that are changed from the previous edition are indicated by a *red, bold, italics font*.

Go-karts are not allowed in SoloSport competitions.



APPENDIX B - SUPPLEMENTARY CATEGORIES**Classic American Muscle / Xtreme Street Category****Rationale**

- The purpose of this Category is to attract automobile enthusiasts interested in autocross events with popular street vehicles using minimal rules that allow for creative modifications with limited restrictions.

Eligible Vehicles

- Must be an automobile or truck (e.g., pickup, SUV) manufactured for road use and legal to drive on US roads. Non-US models are allowed, and right-hand-drive steering is permitted. Vehicles must have a factory affixed OE manufacturer VIN plate. All vehicles must meet the requirements of Section 3.1.
- Must have functional low and high beam headlights, brake lights, turn signals, horn, and front windshield wipers (where originally equipped)
- Must pass the mandatory safety inspection (tech) and other parts of Section 3, and must comply with Appendix I, Sound Measurement Procedures, of the 2023 SCCA® National Solo® Rules.

Body and Bodywork

- Must have OE or OE-equivalent windshield. Side and rear glass must be in the original location if original for the vehicle. Windshields, side, and rear glass may be replaced with polycarbonate (e.g., Lexan®). Windshields must have a minimum thickness of 3/16" (0.1875 in.). Vehicles using polycarbonate windshields must add 150lbs to their minimum weight.
- Dashboard may be modified or replaced but must be "finished" and cover the original area.
- Headliner may be replaced or removed.
- Interior panels (e.g., door panels, kick panels) and carpet forward of the B pillar (driver and front passenger area) may be replaced, not removed, with an upholstered or finished panel of any material.
- The area behind the B pillar may have panels and carpet removed. Exposed metal interior surfaces must be painted.
- Front seat(s) may be modified or replaced. Rear seat(s) may be replaced, modified, or removed. Unless originally equipped as a center seat vehicle the driver's seating area must not cross the vehicle's longitudinal centerline and must not intrude into the original rear seat area.
- Exterior body panels may be modified or replaced in the original locations. The shape of the body must remain recognizable as that of the original vehicle make and model
- Frame and Unibody may be modified or replaced to support allowed modifications. Subframes may be modified or replaced. Vehicle wheelbase may not be changed except for small changes resulting from the allowed replacement of suspension components or modification of suspension designs.

CAM/XS (continued)

- Fender liners and inner fenders may be modified, replaced, or removed.
- Fuel tank/cell may be modified or replaced and must be separated from the driver/passenger(s) as originally manufactured or by a metal panel/bulkhead if the OE structure is modified. Fuel must not vent into the driver/passenger compartment directly or indirectly.
- Body electrical system components and wiring are unrestricted.

Wheel and Tire Allowances

- Any wheels are allowed. Non-metallic wheels must be certified/approved from an appropriate, recognized standards organization (e.g., FIA, SFI, SAE, TUV, etc.).
- Only tires which meets SCCA Solo Street Category eligibility rules are permitted. See Section 13.3 of the SCCA Solo Rules.

Brake, Steering, and Suspension Systems Allowances

- Components, lines, hoses, and method of attachment are unrestricted.

Engine and Drivetrain Allowances

- Components (internal and external) are unrestricted.
- For Electric and Hybrid-electric vehicles: No changes are permitted to the tractive system or its programming. Batteries, the computers and/or hardware controlling battery systems must remain OE. This includes but is not limited to electric motors, battery packs, powertrain control modules/computers and sensors, etc.

Aerodynamic Aids

- A front splitter, air dam, spoiler, and vertical members (e.g., fences, endplates) may be added below the top of the bumper. Components may extend a maximum of 6.0" (152.4 mm) from the front bodywork/fascia as viewed from above. The aerodynamic surface may not extend rearward past the centerline of the front axle.
- Canards, as defined in Section 12 of the Solo rules, may be added but may not extend beyond the OE vehicle width as defined by the outermost portion of the OE bodywork including mirrors, door handles, rub strips and trim.
- A rear diffuser may be added but the aerodynamic surface may not extend forward past the vertical centerline of the rear wheels and may not extend rearward more than 6" from the original body, as viewed from above.
- A rear spoiler may be added but may not extend more than 10.0" from the original body nor beyond the perimeter of the body as viewed from above. When adding a rear spoiler or wing competitors may add either a wing or a spoiler. Not both.
- For all classes EXCEPT CAM-T, a rear wing may be added, removed, or modified. Endplates are allowed. No portion of the wing or its components may be more than 6.0" forward of the rear axle or more than 6.0" beyond the rear most portion of the bodywork. For sedans, coupes,

CAM/XS (continued)

and trucks no part of the wing or its components may extend more than 10.0" above the roofline. For hatchbacks, wagons, and SUVs no part of the wing or its components may extend more than 14.0" above the roofline. No part of the wing may extend beyond the OE vehicle width as defined by the outermost portion of the OE bodywork including mirrors, door handles, rub strips and trim. The maximum number of non-OE wing elements is two (2). The total surface area of rear wings shall not exceed 8.0 sq. ft. as calculated per the Wing Area Computation in Section 12 of the Solo Rulebook. Except for standard parts, wings designed to be adjustable while the car is in motion must be locked in a single position.

- All commercially available wings, splitters, air dams, and diffusers that are vehicle model specific and installed per the manufacturer's directions are permitted with the following exclusions:
 - Rear wings are not permitted on CAM-T cars
 - There are no currently excluded products

SUPPLEMENTAL CLASSES AS USED AT SCCA® NATIONAL**SOLO® EVENTS:**

Classic American Muscle - Traditional (CAM-T) Muscle cars, vintage automobiles, and trucks manufactured in North America

Examples: Camaro (-2002), Mustang (-2004), Firebird (-2002)

- Eligible vehicles: All vehicles manufactured in North America by GM, Ford, Chrysler, or AMC with a front-engine rear-wheel-drive configuration and body style originating between 1948 and 2000 (no electric or hybrid-electric vehicles).
- Must have been originally equipped with seating for at least 4 adults or be a Truck/SUV
- OE or OE equivalent wings which were standard or optional for the model of the vehicle may be added or removed.
- Weight with driver (lbs., min.) 3180

Classic American Muscle - Contemporary (CAM-C) Newer domestic car and truck body styles, plus CAM-T cars meeting CAM-C minimum weight

- Eligible vehicles: All vehicles manufactured by North American manufacturers (GM, Mopar, or Ford) with a front-engine rear-wheel-drive configuration and body style originating newer than 2000 (no electric or hybrid-electric vehicles)
- Included: Chevrolet SS (2014-2016); Pontiac G8(2008-09) and GTO (2004-06).
- Must have been originally equipped with seating for at least 4 adults or be a truck/SUV.
- Any CAM-T legal cars may compete in CAM-C provided they meet CAM-C minimum weight. These cars may use the CAM-C Aero rules

CAM/XS (continued)

- Weight with driver (lbs., min.) 3480

Classic American Muscle – Sport (CAM-S) Domestic high performance 2 seaters

- Eligible vehicles: All vehicles manufactured by North American manufacturers (GM, Mopar, or Ford) with a front-engine rear-wheel-drive configuration and 1965-67 Cobra roadster replica “kit cars”
- Must have been originally equipped with seating for at least 2 adults
- Interior floor covering may be removed.
- Weight with driver (lbs., min.):
 - Corvette (1984-2019); Viper..... 3080
 - All other cars..... 2680

XTREME STREET

Excluded from all X Classes

- All vehicles on the Street Category stability exclusion list. Non-SUV vehicles with a corresponding alternate model classed in Street (i.e. Ford Fiesta) may be allowed on a case by case basis provided they satisfy the rollover requirements of Section 3.1 of the Solo Rules.

Excluded from XA/XB

- Any vehicle eligible to compete in any CAM class.

Xtreme Street A (XA)

- Import and domestic sports sedans and coupes
- Eligible vehicles: All vehicles using an automobile-based engine (no electric or hybrid-electric vehicles).
- Weight with driver (lbs., min.):
 - AWD: 3180
 - RWD: 2930
 - FWD: 2680

Xtreme Street B (XB)

- Lightweight import and domestic sports cars
- Eligible vehicles: All vehicles using an automobile-based engine (no electric or hybrid-electric vehicles).
- Weight with driver (lbs., min.):
 - AWD: 2480
 - RWD: 2330
 - FWD: 2180

Xtreme Street Unlimited (XU) High Performance vehicles with minimal restrictions

- Eligible vehicles: All production vehicles using an automobile-based engine with seating for 2 or more adults

CAM/XS (continued)

- Windshield wipers are not required
- In addition to the allowances earlier in these rules the following aspects of the vehicle are unrestricted:
 - Aero components
 - Interior modifications
 - Weight

Club Spec

Objective

Provide an affordable multipurpose package that combines a street-ready, autocross capable and track appropriate performance in a single car using specified parts.

AUTHORIZED CHANGES/MODIFICATIONS

- A. If a change or modification is not specifically authorized, it is not allowed. All repairs must comply with factory-authorized methods and procedures, or industry standard methods, as follows: If the manufacturer does not provide an appropriate method of repair, industry standard methods and procedures may be used. Such repairs may not result in a part or combination of parts that provides a performance advantage (e.g., significant change to weight, suspension control, power, etc.) as compared to the standard part(s). Competitors are strongly cautioned to use this allowance to make common-sense repairs only.
- B. Wheel lug studs (e.g., length) and lug nuts may be changed.
- C. Components which are normally expendable and considered replacement parts may be used provided they are essentially identical to the standard parts, used in the same location, and provide no performance benefit. Examples are:
 - a. Clutch and related components (excluding flywheel).
 - b. Hardware (nuts, bolts, clips, etc.)
- D. Parts superseded by the Manufacturer may be used.
- E. These allowances are strictly to permit components to be replaced from alternate sources other than the original manufacturer. They should not be construed as an allowance to replace components with those which could be considered a "higher performance" alternative.
- F. It is not permitted to use non-compliant parts even if they have been set to the manufacturer's specifications.

Bodywork/Interior

- A. Front bumpers, rear bumpers, body trim pieces, and attachment points may be reinforced to prevent or repair damage from hitting cones. Reinforcements that are not visible to the exterior of the car are allowed. Such repairs and/or reinforcements may serve no other purpose.
- B. Accessories, gauges, indicators, lights, and other appearance, comfort-and-convenience modifications which have no effect on performance and/or handling and do not materially reduce the weight of the car are permitted. This does not allow driver's seat substitutions, or the removal of "tow hooks" or "tie-down loops." Data acquisition systems (including video cameras) and the accompanying sensors are allowed but may serve no other purpose during a run than real-time display and data recording.
- C. Alternate Shift knobs are allowed.
- D. Spare tires, tools, and jacks may be removed. Any fastening hardware and/or other pieces that can no longer be firmly secured in the absence

Club Spec

of the spare tire may be removed if necessary to ensure compliance with Solo® Rules section 3.3.3.B.1, Safety Inspections, Inspection Requirements.

- E. Cars may add one (1) rear trailer hitch. Factory tie downs and cosmetic pieces (e.g., diffusers) may be modified or removed to facilitate hitch installation. Complete or partial removal of the hitch is allowed for competition, provided it does not result in a reduction in weight compared to the unmodified standard configuration.
- F. Tow bar brackets may be installed and may serve no other purpose.
- G. Any item not permanently in place by manufacturer-installed fasteners may be removed (i.e., emergency tool kits).

Safety

- A. Provided the vehicle fully meets SCCA Safety Level 2 as defined in the Time Trials Rules, the following may be added, replaced, or modified within the guidelines stated in Safety Level 2:
 - a. Compliant Rollbar (Required for Safety Level 2)
 - b. Fixed back racing seats for driver and passenger side
 - c. Racing harness(es)
 - d. Replacement of steering wheel and/or removal of steering wheel airbag

Suspension

- A. Alignment: Both the front and rear suspension may be adjusted through their designed range of adjustment by use of the specified parts. No suspension part may be modified for the purpose of adjustment unless such modification is specifically authorized by the manufacturer service documentation.
- B. Bushings:
 - a. Suspension bushings as supplied in the kits are mandatory.
 - b. Those not included in the supplied kits may not be replaced with bushings of a different material or dimension.

Electrical System

- A. The make of spark plugs is unrestricted.
- B. Tire Pressure Monitoring Systems (TPMS) may be disabled. Altering the signal to the TPMS module is allowed.

Engine and Drivetrain

- A. The engine management system parameters and operation of internal combustion engines may be modified only via the methods listed below.
 - a. OE ECU software may be reprogrammed, but no changes to the factory ECU hardware are permitted.
 - b. Any OE OBD2 or newer communications port functionality must remain.
- B. Oil filters are unrestricted.
- C. Lubricants and fluids are unrestricted.
- D. Fuel must be Federally approved for use on public highways and widely

CSM

distributed and typically sold in filling stations, commonly called “pump fuel” with typical octane ratings or AKI (Anti-Knock Index) (R+M/2) displayed on the pump between 87 and 93. The maximum octane rating allowed is what is typically delivered from a pump marked 93 octane*. Fuels comprised of more than 15% ethanol may only be used when specified by the manufacturer (e.g., in the owner’s manual for flex-fuel vehicles).

*Octane verification: Octane levels will vary from the number listed on the pump. Octane testing has a “margin of error” and different testing procedures will produce similar but different results. For the purposes of testing gasoline, a result that exceeds 95.9 octane is not allowed and will result in a disqualification with no exceptions (hard limit). This limit gives competitors a 99.99+% confidence level that fuel purchased from a pump marked 93 octane is compliant. Warning: Competitors attempting to approach the 95.9 octane limit through mixing or by any other means may inadvertently create fuel that appears compliant but may test above the 95.9 hard limit.

CLUB SPEC Mustang (CSM)

Eligible Vehicles

2005-2009 Ford Mustang GT (S197 Chassis)

Including California Special, Shelby GT*, and Bullitt* models

*Must use engine and rear gear ration listed below and either complete OE suspension or Performance Kit suspension

Vehicle Requirements

Engine: 4.6L, 3 Valve V8

Rear Axle Assembly Gear Ratio: 3.55:1

Required Performance Kit

- A. Parts Specified below (tires, wheels, and suspension) must be used. All components and parts (e.g., hardware) are required to be installed per manufacturer instructions. Original equipment (OE) or equivalent components are not allowed.
- B. Anti-roll (sway) bar end links may be substituted but may serve no other purpose.
- C. Tires: Goodyear F1 Supercar 3 (220 Treadwear), size: 275/40R18
- D. Wheels
 - a. Diameter and width (in): 18x9.5
 - b. Offset, including wheel spacer (mm): +35 (35ET or ET35) or greater
 - c. Weight, without spacer if used, minimum (lbs.): 17, including:
 - i. Wheel Weights
 - ii. TPMS sensor if installed
 - iii. Tire valve stem (type unrestricted)
 - d. Wheel spacers are allowed provided the resultant combination with the wheel complies with the offset requirements.

CSM**E. Suspension**

- a. Sealed Koni Sport Strut, Front, Part# TBA
- b. Sealed Koni Sport Strut, Rear, Part# TBA
- c. Eibach Pro-Kit Lowering Springs- Part# 35101.140
- d. Choice of:
 - i. Strano Performace Parts kit Part# SpecS197-1. Includes bars, bushings, collar locks, Billet aluminum rear mounts
 - ii. Strano Performance Parts kit Part# SpecS197-2. Same as above, adding front sway bar mount reinforcements + Billet Front sway bar brackets
 - iii. Eibach Mustang Anti-Roll Bar Kit- Part# MM5CC-1
- e. Maximum Motorsports Caster Camber Plates- Part#MM5CC1

Authorized Changes/Modifications

A. Parts superseded by Ford® may be used.

Bodywork/Interior

- A. A commonly available short throw shifter may be utilized, examples include:
 - a. Hurst Competition Plus Short Throw Shifter, Part# TR-3650
 - b. STEEDA Ford Mustang Tri-Ax Shifter, Part# 555-7305

Safety

A. Vehicles that do not meet SCCA Level 2 Safety may not substitute or modify seats or steering wheel, however driver restraints as outlined in Solo® Rules section 3.3.1, Driver Restraints, are allowed. Seats may not be cut to allow for the installation of alternate seat belts or harnesses. A horizontal “harness bar” may be used as part of the installation hardware for allowed driver restraints provided it has no more than two (2) attachment points to the chassis and is bolted at those locations. A C-type harness bar may also be used; it may have four (4) bolted attachment points to the chassis (2 primary and 2 supporting connections to resist rotation). Truss-type harness bars with more than two (2) attachment points are not allowed.

Brakes

- A. Ford Racing 2005-2014 Mustang GT 14-inch SVT Brake Upgrade Kit, Part# M-2300-S, or any Ford OEM kit utilizing 14” rotors and Brembo 4 piston calipers may be utilized.
- B. No Rear brake caliper relocation kits are allowed.
- C. Goodridge G-Stop Brake Line Kit is allowed, Part#12364 (these lines are included in the Ford Racing SVT Kit listed above)
- D. The make and material of brake linings (pads) may be changed.

Suspension

- A. A commonly available aftermarket Panhard Bar, that mounts in the OEM/Stock body and axle locations may be utilized, including those adjustable for length. This does not allow for Panhard Bar relocation,

CSM

adjustable height Panhard Bars, or replacement of the Panhard Bar Brace. Any bushing, rod-end, spherical bearing may be used. Examples include:

- a. UMI Performance On-Car Single Adjustable Panhard Bar, Part#UPI-1044-B
 - b. STEEDA Autosports Street Panhard Bar Kit 05-14 Mustang, Part#555-2551-A
 - c. Eibach Pro-Alignment Performance Kit Panhard Bar Part#5.72045K
- B. The UMI Ford Mustang GT Adjustable Front Strut Tower Brace may be utilized, Part# UMI-1005-B
- C. The STEEDA Mustang Upper Third Link Spherical Differential Bearing may be utilized, Part# 555-4104

Engine and Drivetrain

- A. The air intake system, upstream of the throttle body, may be replaced with a CARB approved, commonly available aftermarket unit that utilizes a cone filter and divider wall. Examples include:
- a. K&N Part# 57-2565
 - b. Airaid Part# 450-172
 - c. aFe Power Part# 51-10293
 - d. aFe Power Part# 54-10293
- B. The engine management system parameters and operation of internal combustion engines may be modified only via the methods listed below.
- a. OE ECU software may be reprogrammed, but no changes to the factory ECU hardware are permitted.
 - b. Any OE OBD2 or newer communications port functionality must remain.
- D. Ford Performance Traction-Lok Rebuild Kit with Carbon Fiber Clutch Pack may be utilized, Ford Performance Part# M-4700-C.
- E. The installation of oil catch tanks or oil separators is allowed provided the function of the PCV system remains functional.
- F. An oil cooler is allowed provided no unauthorized modifications are made to perform the installation.
- G. Mufflers may be substituted, provided there are two, one in each stock location no smaller than 6 inches in diameter or 4x6 inches height and width if oval.
- H. Mufflers may be substituted, provided there are two, one in each stock location no smaller than 6 inches in diameter or 4x6 inches height and width if oval.

CLUB SPEC MX-5 (CSX)

Eligible Vehicles

2006-2015 Mazda MX-5 (NC Chassis)

Vehicle Requirements

6-Speed Manual Transmission or Automatic Transmission

CSX**Required Performance Kit**

- A. Parts specified below (tires, wheels, and suspension) must be used. All components and parts (e.g., hardware) are required to be installed per manufacturer instructions. Original equipment (OE) or equivalent components are not allowed.
- B. Tires: Falken Azenis RT660, size: 225/45R17
- C. Wheels
 - a. Diameter and width (in.): 17x8
 - b. Offset, including wheel spacer (mm): +45 (45ET or ET45) or greater
 - c. Weight, without spacer if used, minimum (lbs.): 15, including:
 - i. Wheel Weights
 - ii. TPMS sensor if installed
 - iii. Tire Valve stem (type unrestricted)
 - d. Wheel spacers are allowed provided the resultant combination with the wheel complies with the offset requirements.
- D. Suspension
 - a. Penske Front Shock (2), Part# 0000-04-5291-SA
 - b. Mazda Motorsport Front Mount Kit, Part# 0000-04-5359
 - c. Mazda Motorsport Front Offset Bushing Kit, Part# 0000-04-5407-NC
 - d. Eibach Front Spring (2), Part# 0000-04-9700-08
 - e. Penske Rear Shock (2), Part# 0000-04-5292-SA
 - f. Mazda Motorsport Rear Mount Kit, 0000-04-5358
 - g. Mazda Motorsport Rear Shock Alignment Spacer, Part# 000004-5294
 - h. Eibach Rear Spring (2), Part# 0000-04-9400-07
 - i. Eibach Helper Springs (4), Part# 0000-04-9926
 - j. Eibach Front and Rear Sway Bar Kit, Part# 0000-04-5306-EB
 - k. Mazda Motorsport Sway Bar End Links (4), Part# 0000-04-5597-KT
 - l. Penske Adjustment Knob (Recommended), Part# 0000-04-5293

Authorized Changes/Modifications

- A. Parts superseded by Mazda® may be used.

Safety

- A. Vehicles that do not meet SCCA Level 2 Safety may not substitute or modify seats or steering wheel, however a lap belt, as outlined in Solo® Rules section 3.3.1, Driver Restraints, is allowed. Seats may not be cut to allow for the installation of alternate seat belts or harnesses.
- B. Level 2 Fire Suppression is not required for Solo Events

Brakes

- A. The make and material of brake linings (pads) may be changed.
- B. Goodridge G-Stop Brake Line Kit is allowed, Part# 0000-03-5212

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C. Mazda Motorsports 2.5" Brake Duct Kit is allowed, Part# 0000-03-5301-NC

Suspension

A. The Mazda Motorsports Competition Rear Hub, Part# 0000-04-5530, and Rear Hub Bearing, Part# 0000-04-5531 may be utilized.

B. Mazda RX-8 Front Hub may be utilized, Part# F189-33-04X

Engine and Drivetrain

A. The air intake system, upstream of the throttle body, may be replaced with the Mazda Motorsport Intake System, Part# 0000-06-5150-KT

B. The installation of oil catch tanks or oil separators is allowed provided the function of the PCV system remains functional.

C. An oil cooler is allowed provided no unauthorized modifications are made to perform the installation, Mazda Motorsports Oil Cooler Adaptor with Lines Part# 0000-015511-KT is recommended.

D. Alternate exhaust and muffler may be utilized provided it mounts to the manifold flange labeled "Z" below, the muffler is in the stock location and is at least 6 inches in diameter or 4x6 inches if oval.

