

Solo

SOLO EVENTS BOARD | April 27th

The Solo Events Board met by conference call April 27th. Attending were SEB members Mark Labbancz, Nick Dunlap, Bob Davis, Zack Barnes, Keith Brown, and Mark Scroggs; Charlie Davis and KJ Christopher of the BOD. These minutes are presented in topical order rather than the order discussed. Comments regarding items published herein should be directed via the website www.soloeventsboard.com.

Unless indicated otherwise, the implementation date for all new proposals published herein is **1/1/2023**.

Recommended Items

The following subjects will be referred to the Board of Directors for approval. Address all comments, both for and against, to the Solo Events Board. Member input is suggested and encouraged. Please send your comments via the form at www.soloeventsboard.com.

Street Touring Category

#30465 False equivalency between A-arm and multi-link

The STAC is recommending the proposed rule change to 14.8.H. This is intended to clarify the rules for modifications of multi-link suspensions.

H. Camber kits (also known as camber compensators) may be installed. These kits consist of either adjustable length arms or arm mounts (including ball joints) that provide a lateral adjustment to the effective length of a control arm. Alignment outside the factory specifications is allowed. The following restrictions apply:

1. On double/unequal arm (e.g., wishbone, ~~a-arm multi-link~~) suspensions, only the upper arms OR lower arms may be modified or replaced, but not both. ~~Non-integral longitudinal arms that primarily control fore/aft wheel movement (e.g., trailing arm(s) or link(s) of a multi-link suspension) may not be replaced, changed, or modified.~~
2. On arm-and-strut (MacPherson/Chapman) suspensions, the lower arms may be modified/replaced OR other methods of camber adjustment as allowed by Sections 14.8.B, C, or F may be used, but NOT both.
3. On swing or trailing arm suspensions, the main arms may not be modified or replaced, but lateral locating links/arms may be modified or replaced.
4. Front wheel drive (FWD) cars with rear beam axles may use shims between the rear axle and hubs.
5. The replacement arms or mounts must attach to the original standard mounting points. All bushings must meet the requirements of Section 14.8.B. Intermediate mounting points (e.g., shock/spring mounts) may not be moved or relocated on the arm, except as incidental to the camber adjustment. The knuckle/bearing housing/spindle assembly cannot be modified or replaced.
6. Changes in suspension geometry are not allowed except as incidental to the effective arm length change.
7. *On multi-link suspensions only one lateral link or arm may be modified or replaced. Non-integral longitudinal arms that primarily control fore/aft wheel movement (e.g., trailing arm(s) or link(s)) may not be replaced, changed, or modified.*

Prepared Category

#31252 914-6 in FP

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The PAC is recommending the following changes, removing line item alternate engines. The Porsche 914-6 and the Mazda RX series are the only vehicles in Prepared to allow non original engine changes without the Alternate Engine Allowance weight penalty. Affected vehicles with non-original engines could run the non-original engines with the 10% weight penalty in accordance with 17.10.R Alternate Engine Allowance.

It is recommended to change 17.10.R and Appendix A as follows:

"R. Alternate Engine Allowance: Prepared vehicles may make use of alternate engines from the engine originally delivered, with the following rules. Excluded from use of alternate engines are forced-induction engines, ~~rotary engines~~, hybrid engine and drivetrains, and Prepared Limited Preparation Vehicles.

1. Alternate engines are to be from the same make as the make of the vehicle. Engine must be available in production automotive model(s) sold in the US. No alternate engines or parts of the engine are allowed that were offered in other markets than the US unless listed in Appendix A. Motorcycle, snowmobile, marine, or other engines of non-automotive design are not permitted.
2. Vehicle manufacturers that no longer exist may use any motor available in the use from corporate brands or via the following listings:
 - a. British makes may use Ford motors including Mazda.
 - b. Italian makes may use Fiat Chrysler motors.
3. Alternate engines are to retain the same piston *or rotor* count, or less as the vehicle's engine was originally configured. Models classed with multiple piston counts on the same line may use any piston count that matches classed models.
4. Alternate engines must keep same cooling type as before. Examples: Air cooled stays air cooled and water cooled stays water cooled.
5. Alternate engine weights will be calculated using listed engine displacement of swapped engine.
6. Alternate engines may make use of allowances found in 17.10. The engine orientation (transverse stays transverse and longitudinal stays longitudinal) and the engine bay location must not be changed (front-engine stays front-engine, mid-engine stays mid-engine, and rear-engine stays rear-engine).

7. Piston engine vehicles may not substitute rotary engines and vice versa."

Appendix A:

FP

Mazda

RX-4 (~~12A or 13B~~) (1974-78)

~~12A engine.....specified displacement (cc): 2292~~

No peripheral port allowed.

13B engine.....specified displacement (cc): 2616

No peripheral port allowed.

RX-7 (1986-91)

13B engine.....specified displacement (cc): 2616

~~Alternate engine: Renesis.....specified displacement (cc): 2616~~

Bridge or peripheral porting allowed ~~in all engines~~.

RX-7 (1979-85)

12A engine.....specified displacement (cc): 2292

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13B engine.....specified displacement (cc): 2616

~~Alternate engine: Renesis.....specified displacement (cc): 2616~~

Bridge or peripheral porting allowed in all engines.

RX-8 (bridge or peripheral porting allowed)

Renesis engine.....specified displacement (cc): 2616

~~Alternate engine: 12A.....specified displacement (cc): 2292~~

~~Alternate engine: 13B.....specified displacement (cc): 2616~~

~~Bridge or peripheral porting allowed in all engines.~~

Porsche

914-6 (2.0L), ~~2.5L, 2.7L, & 2.8L~~ 6-cyl air-cooled)

~~Alternate cylinder heads: twin spark plug~~

Member Advisories

General

#27454 Off Site Conduct

The SEB and National Staff would like to remind all participants that off-site behavior can affect not only relationships with local sites but also with the national organization. Documented cases of irresponsible off-site (or on-site) behavior can result in the participant being disqualified from the event or even removal from the Club. Please consider the future of SCCA Solo and how your behavior affects your fellow club members when interacting with the local community around autocross facilities.

#30622 Banned Vehicles

The SCCA Solo Rules do not specify a particular list of "banned" vehicles, but instead primarily state requirements that a car must meet in order to participate. There are safety requirements (per 3.1 and 3.3) which may limit the participation of certain cars, and eligibility requirements (per 3.4 and certain category-specific sections such as 13.0, 15.0, 17.0.A.2, 18.1.A). In addition, some categories and classes do contain situation-specific exclusions which are generally found in the Appendix A listings for the applicable category and/or class.

Tire Rack Solo Nationals

#32429 Solo Nats course design

Thank you for your application to be a Solo Nationals Course Designer. The SEB has selected John Hunter and Alex Jones to be the course designers for the 2022 Solo Nationals.

Street Category

#31338 Harness Bar

Thank you for your letter. The SAC considers the Brey-Krause R-1115 Harness Mount Bar for the C5 Corvette as meeting the definition of a C-Type bar.

#32602 Seeking SAC applicants

The SAC is anticipating openings and is seeking applications for new members. Interested members are invited to submit their qualifications in writing via www.soloeventsboard.com

Street Touring Category

#32043 C5 Corvette Camber Adjustment Bolts

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Per 14.8.F, alternate camber bolts are allowed.

#32418 Combined Strut Tower bar + master cylinder brace legality

Thank you for your letter. The STAC believes this part is permitted per 14.2.G and 14.6.G.

#32432 Audi A3 with S3 turbo.

Thank you for your letter. Upgrading a turbocharger is not permitted in the ST category. Please reference the "option package" rule in Section 13 as it only applies to packages within the same make and model.

#32496 Rule verification

Thank you for your letter. Per 14.8.H.6., changing the ball joint height is a change in suspension geometry unrelated to arm length which is not permitted.

Prepared Category

#31281 Clarification of 17.8.B.5

Per the PAC, 17.8.B.5 deals with minimum track width. Track is defined in Section 12 of the Solo Rulebook. The GCR Appendix G.4 defines how to measure track for cars taking advantage of the GCR.

#32384 New XP build questions

An open Prepared car shall meet the 2022 edition SCCA® National Solo® Rules, sections 3.3.2 Roll Bars, 17.12 Safety, and Appendix C SOLO® ROLL BAR STANDARDS. There is no broomstick test for Prepared Cars. Appendix C, A.2 covers driver helmet to roll bar height and distance requirements. The roll hoop can be asymmetric, but the driver's helmet must be completely beneath the roll hoop.

17.2.H and 17.2.N covers replacement of interior comfort and convenience items, such as OE tonneau covers

The factory or factory replica Speedster Humps would be compliant to run in whole or in part since each side is independently removable with independent part numbers. However, the PAC strongly urges the author not to modify the outside OE shape to attempt streamline the speedster humps, as the PAC does not consider Appendix A, class subsection XP.2 to be applicable. See 17.2 Bodywork and Structure.

#32637 PAC personnel changes

The SEB thanks Nick Gruendler for his service as a member of the PAC.

Change Proposals

General

#30826 Sound Regulations clarification

The SEB is seeking member feedback on a change to the Appendix H - Sound Measurement Procedures to clarify the maximum allowed vehicle sound.

Change text in Appendix H as follows:

"The maximum allowed vehicle sound level will be 100.0 dBA.

If a driver in a vehicle exceeds 100.0 dBA, the driver will be allowed to attempt a viable remedy to functionally alter the exhaust system to reduce the sound level of the vehicle before his/her next run that day."

Street Category

#32595 13.3 Tire Availability Changes

The SEB is seeking member input on the following rule change proposal to alter the tire specification and eligibility requirements outlined in Section 13.3. This proposal includes a change to the eligibility cutoff date,

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the addition of a National Event Exclusion List in place of the current 13.3.C.4 Exclusion List, and some general cleanup of 13.3.

If approved these changes would be effective 1/1/2023.

The main intent of these proposed changes centers around new tire models when they come to market, and at this time none of the currently eligible tire models are targeted to be added to the National Event Exclusion List if these changes are implemented.

"13.3 TIRES

Tires may be replaced with any size that fit the allowable wheels and fender wells without modification. ~~Tires may be excluded for, but not limited to, low volume production, extensive availability limitations and specialty design.~~ Tires must meet *all* of the following *specifications and* requirements to be eligible for use in *the* Street category. ~~No tire model will be eligible for Solo® competition until it meets all requirements of this Section. Tire models not meeting the requirements by April 30 are not eligible for Solo® competition until after the Solo® National Championships of the year. Any tire may be excluded from National competition for reasons such as, but not limited to, low volume production, availability limitations, specialty design, and/or going out of production.~~

A. Specifications

Minimum UTQG Treadwear Grade of 200

Minimum molded tread depth of 7/32" as specified by the manufacturer.

Listed in a current year or prior 2 years of the "Tire Guide®" and/or the "Tread Design Guide®" (www.tireguides.com).

US Department of Transportation (DOT) approval.

Tires must be designed for highway use on passenger cars.

B. Eligibility Requirements – The following are prerequisites before a tire can be used in competition at National Solo® events. *New tire models not meeting these requirements by Jan 1 are not eligible for National Solo® competition until after the Solo® National Championships of that year, however may be used in Regional Solo® events provided all requirements of 13.3.A are met.*

Tire availability – Tires are considered available when competitors can take possession through retail channels. Pre-orders are not considered available.

Tires must be equally available to all competitors. Tires that are in short supply do not specifically violate Section 13.3. Extensive shortages may result in the tire being placed on the *National Event* exclusion list until supply is replenished. Tire variations differing from standard specification, delivered only on a limited basis, or only to selected competitors may not be used.

Tire models must have tires available in at least 4 rim diameters and in at least 6 sizes which meet these requirements.

Material Change – Tires which previously met the eligibility requirements that undergo a significant compound change, tread pattern change, or other significant redesign reset the requirement for eligibility described in Section 13.3.B

A tire model which was previously allowed by these rules continues to be eligible for *National* competition ~~until~~ *unless* specifically *disallowed placed on the National Event Exclusion List.*

Re-introduction – Models that were once discontinued will be considered a new model once reintroduced and must meet all the requirements of Section 13.3.

C. Other

Any tire which is OE on a car eligible for Street Category may be used on that car in Regional Solo® events. OE tires must meet all requirements of Section 13.3 to be eligible for National Solo® events.

Fastrack® news

official SCCA member notification

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Tires may be shaved evenly and parallel to the axis of rotation, but may not otherwise be siped, grooved, or modified.

No recap and/or retread tires may be used.

National Event Exclusion List – Tires appearing on the following list are not eligible for SCCA National Solo® events however may be used in Regional Solo® competition.

No tire models are currently listed."

~~The tire must not appear on the following list, which may be altered at any time by the SEB upon notification of membership.~~

~~No tire models are currently listed. "~~

Not Recommended

Street Category

#32422 Mini Cooper Reclassing

Thank you for your letter. The SAC believes the current MINI Cooper Hardtop is appropriately classed.

#32435 Removal of or change of +-7mm offset in Street Class

Thank you for your input. The SAC believes the wheel allowances are adequate as written.

#32448 FS Class groups cars that don't belong together

Thank you for your input. The SAC believes all of the cars in F-Street are appropriately classed. The SAC is closely monitoring the competitive balance of F-Street.

#32499 Porsche 718 Cayman S/GTS 2.5 from SS to AS

Thank you for your letter. The SAC believes the 718 Cayman S & GTS are appropriately classed.

Street Touring Category

#31923 BMW E36 M3 to STX

Thank you for your input. The STAC feels the BMW E36 M3 is appropriately classed at this time.

Kart Category

#32382 Request for supplemental rules

The KAC does not think that a 650cc kart chassis fits within the thought philosophy of the Kart Modified rules. Thanks for your input.

Other Items Reviewed

General

#30670 Bump Classing at Champ Tours

Thank you for your letter. The SEB is discussing how bump classes could be used at Championship Tours and a request for membership feedback with additional details will be published in a future Fastrack.

Solo Spec Coupe

#32513 Is there any word on an SSC2 Class for the new twins?

Thank you for your question. While the SEB understands the excitement the new GR86/BRZ has generated within the autocross community there is no plan to create a new SSC class for the new version of the car.

Prepared Category

#32331 PAC Member Public Updates

Thank you for your input.

#32386 Response to 31252 914-6 in FP

Thank you for your input.

Handled Elsewhere

Event Operations

#31284 Solo Nats Course Designer Request

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#31388 Champ Tour Bumping

Thank you for your letter. Please see the response to letter #30670 in this Fastrack.

#31788 2022 Nationals Course Design

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32427 2022 Nats Course Design

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32433 2022 Solo Nationals Course design.

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32434 Course design

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32459 Course design

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32466 Nationals course designer

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32471 2022 SCCA Solo Nationals Course Designer Application

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32473 2022 SCCA Solo Nationals Course Designer Application

Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32480 Course design

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Thank you for your application to be one of the 2022 Solo Nationals course designers. Please see the response to letter #32429 in this Fastrack.

#32484 Bump class

Thank you for your letter. Please see the response to letter #30670 in this Fastrack.

General

#29677, 30642, 30647, 30663, 30666, 30679, 30795, 30869 Bump Classing (various)

Thank you for your letter. Please see the response to letter #30670 in this Fastrack.

Street Category

#31983 Classing Question - please class CT5-V

Please see the response to letter to letter # 31243 published in the January 2022 Fastrack.

#32461 2022 Hyundai Elantra N - Street Class?

Please see the response to letter #32233 published in the April 2022 Fastrack.

Street Touring Category

#32216 99-05 Miata to STS

Thank you for your input. Please see the response to Letter #31169 in the current Fastrack.

#32379 E36 M3 to STX

Thank you for your letter. Please see the response to Letter #31923 in the current Fastrack.

#32438 Potential rule to accommodate roll bar/cage weight reduction?

Thank you for your letter. Please see the response to Letter #29472 in the April 2022 Fastrack.

#32497 Rule verification

Thank you for your letter. Please see the response to Letter #32496 in the current Fastrack.

Tech Bulletins

Street Category

#32380 992 GTS - Classification?

In accordance with section 3.2 in the Solo Rules, the SAC recommends the following change to Appendix A:

Move from Exclusion List to SS:

Porsche

911 Carrera GTS (992 Chassis) (2022)

Based on the above listing, the following change to Appendix A is required:

Super Street

Porsche

911 Carrera (992 Chassis excl. Turbo, Turbo S, ~~GTS~~, & GT3) (2020-22)

#32488 Errors and Omissions; Correction to Mustang GT350 Listings

Due to an editing oversight, the following correction to listings in Appendix A is provided:

BS:

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Ford

~~Mustang Shelby GT350 (incl. Handling Package) (2019-20)~~

FS:

Ford

Mustang Shelby GT350 (incl. Handling Package) (2015-2020)

Note: this update was published in the April Fastrack as item #32137.

#32502 Exception request re: the exclusion of all MINI Countrymans

Per the SAC, make the following changes to Appendix A:

Exclusion List:

MINI Countryman *(NOC)*

D-Street:

MINI

Countryman JCW All4 (2018-2022)

NOTE: Competitors are reminded that section 3.1.A Rollover Potential Guidelines are to be applied in autocross readiness, even if OEM provided dimensions are different.

#32509 classing of Tesla Model S Plaid in Street Class

Per the SAC, make the following change to Appendix A:

Super Street:

Tesla

Model S, all-wheel drive, *incl Plaid* (2014-22)

Kart Category

#32601 Removal of Formula Junior left over rules Part 3 - 1.3.2

The following is an Error and Omissions correction pertaining to the removal of the JDP program from the Solo Rules:

"1.3.2 Other Operating Requirements

B. All competitors, ~~except participants in Kart classes,~~ must have a valid driver's license."