

Solo

SOLO EVENTS BOARD | November 19-20

The Solo Events Board met in Kansas City November 19-20. Attending were SEB members Mark Scroggs, Nick Dunlap, Bob Davis, Zack Barnes, Keith Brown, Marshall Grice, and Mark Labbancz; Clay Turner and KJ Christopher of the BOD; Rick Myers and Brian Mason of the National Staff. 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.

Recommended Items

The following comprises the full list of Recommended proposal items which the SEB is referring to the BOD, for implementation 1/1/2023.

General

ITEM 1) Sound Regulations Clarification

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."

(SCCA Fastrack News, Jun 2022, Sep 2022, #30826)

ITEM 2) SUV Eligibility for Solo

Change text in 3.1 as follows:

"3.1 Eligible Vehicles

A Solo® event is open to any vehicle that can pass safety (tech) inspection, has the minimum bodywork specified by these Rules, and is properly muffled, except that vehicles with wheelbases exceeding 116" may be excluded by the Event Chairman if he determines, at his discretion, that they cannot readily negotiate the course. This decision shall be made in advance if possible and included in the advance publicity and supplementary regulations. Cars need not be licensed or licensable for road use, so long as they otherwise comply with the SCCA® Solo® Rules.

Models and option packages designated as being of a model year later than the current year are not eligible to compete in National Tour or Solo® National Championships, unless they have been specifically classed by the SEB. A newly-classed model or option package is not eligible for the current year's Solo® National Championships unless its listing was published no later than the July issue of the official SCCA® publication.

Unstable vehicles with a high center of gravity and a narrow track *that do not meet the rollover guidelines below*, including-such as SUVs, minivans, and 4WD pickups, must be excluded. Examples of such vehicles are listed in Appendix A. Extra caution should be exercised with non-traditional vehicles (e.g., trucks using racing slicks)."

(SCCA Fastrack News, Jul 2022, Oct 2022, #30558)

Street Category

ITEM 3) Move Ferraris Off the Exclusion List



Move from Exclusion List to Super Street as follows:

Ferrari

355 (1995-1999)

360 (1999-2005)

F430 (2004-2009)

Lamborghini

Gallardo (2003-2008)

Nissan

GT-R Track Edition (2014)

(SCCA Fastrack News, Oct 2021, Dec 2022, #31058)

ITEM 4) Update Section 13.9.G

Change 13.9.G as follows:

"G. On cars without the ability to turn off electronic stability control and/or traction control (ESC/TC) from the manufacturer, modifications to defeat the ESC/TC are permitted. These modification are limited to altering the inputs to the ESC/TC processor (e.g., removing fuses, unplugging yaw or steering angle sensors, altering signals) and may serve no other purpose. Any codes or error lights resulting from ESC/TC modifications are permitted.

Use of alternate OEM ESC/TC modes are permitted so long as the alternate OEM modes are accessible though menus (e.g. "dyno mode") or driver-control inputs (e.g. button/pedal press sequences), or coding using an OBD tool (e.g. "VAG-COM"). Manufacturer authorized, vehicle-specific OEM ESC/TC software upgrades / updates are allowed; non-OEM modification of tables/algorithms/parameters is specifically prohibited. Modifications may serve no other purpose. Any resulting OBD codes or error lights resulting from allowed ESC/TC modifications are permitted."

H. Manufacturer authorized, vehicle-specific OEM ESC/TC software upgrades / updates are allowed; non-OEM modification of tables/algorithms/parameters is specifically prohibited. Modifications may serve no other purpose."

NOTE: Based on membership feedback, the proposed allowance which was previously listed as Section I has been removed.

(SCCA Fastrack News, Aug 2021, Sep 2022, #30543)

ITEM 5) Seventh Gen Celica to HS

Change Appendix A listings as follows:

Move from GS to HS:

Dodge

Neon (1995-99)

Plymouth

Neon (1995-99)

Toyota

Celica GT (2000-05)



Celica GTS (2000-03)

Volkswagen

Golf GTI (2006-14)

Jetta & GLI (2.0L Turbo) (2006-12)

(SCCA Fastrack News, Mar 2022, Dec 2022, #32033)

ITEM 6) Roll Cage Clarification

Change 13.2.G.1 as follows:

13.2.G.1 Roll Bars and Roll Cages

1. Roll bars may be added. Roll bars may be welded in. Standard rollover hoops and covers may be removed if the resulting installation meets Appendix C.A, Basic Design Considerations. The total weight of components added must not be less than that of components removed.

1. Roll bars and roll cages may be added. Roll bars may be welded or bolted in. Roll bars must meet the requirements of section 3.3.2. Standard rollover hoops, covers, trim panels interior parts and rear seats may be removed or modified for clearance. Holes may be added to the chassis to allow installation but may serve no other purpose. Factory seatbelts and airbags must remain fully functional once the roll bar is installed. The total weight of components removed must be less than the total weight of the components added during installation. Competitors are strongly cautioned to make the minimum amount of modification required to affix a given part and to not make unduly tortured interpretations of this rule.

(SCCA Fastrack News, Apr 2022, Dec 2022, #29472)

ITEM 7) Tire Availability Changes

This proposal includes a change to the eligibility cutoff date, 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.

Change 13.3 as follows:

"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.

Tires will not be added to the National Exclusion List after June 30th.

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.

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."

(SCCA Fastrack News, Jun 2022, Aug 2022, Dec 2022, #32595)

Street Touring Category

ITEM 8) False Equivalency Between A-arm and Multi-link

Change 14.8.H as follows:



- "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 per corner 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."

(SCCA Fastrack News, Sep 2021, Jun 2022, Aug 2022, #30465 and #32716)

ITEM 9) Clutch Allowances

The purpose of this rule change is to further define the clutch allowance and to remove any ambiguity in whether it is applicable to automatic transmissions that also have internal clutch assemblies.

Change 14.10.O as follows:

"O. The clutch disk and pressure plate of traditional, pedal operated manual transmissions may be modified or replaced."

(SCCA Fastrack News, Feb 2022, Jul 2022, #32025)

ITEM 10) Update 14.10.C

Change 14.10.C as follows:

"C. The air intake system up to, but not including, the engine inlet may be modified or replaced. The engine inlet is the throttle body, carburetor, compressor inlet, or intake manifold, whichever comes first. The existing structure of the car may not be modified for the passage of ducting from the air cleaner to the engine inlet. Holes may be drilled for mounting. Emissions or PCV valves and engine management components in the air intake system, such as a PCV valve or mass airflow sensors may not be removed, modified, or replaced, and must retain their original function along the flow path."

(SCCA Fastrack News, Mar 2022, Nov 2022, #32057)

ITEM 11) 986 Boxster from STR to STU

Change Appendix A listings as follows:

Move from STR to STU:

Porsche

Boxster (986 and 987.1; base model) (1997-2008)

Boxster S (986) (2000-04)

Cayman (987.1; base model) (2007-08)

(SCCA Fastrack News, Apr 2022, Nov 2022, #31259)

ITEM 12) Plug and Play Tuning in ST

Change section 14.10.F as follows:

- "F. The engine management system parameters and operation of internal combustion engines may be modified only via the methods listed below. Any OE OBD2 or newer communications port functionally must remain. The Check Engine Light (CEL) or Malfunction Indicator Light (MIL) may be disabled via software. Only sensors equipped from the manufacturer may be used for engine management.
 - 1. For all model years, the following allowances apply:
 - a. The standard PCM/ECU may be re-programmed without restriction.
- b. Fuel pressure regulator(s) may be replaced in lieu of electronic hardware or software alterations. It is not permitted to mechanically alter the fuel pressure regulation AND make other hardware or software changes to engine operation.
 - c. Ignition timing may be set at any point on factory-adjustable distributor ignition systems.
- d. Electronic components may be installed in-line between the engine sensors and PCM/ECU. These components may only alter the signal from the sensor in order to affect the PCM/ECU operation. Example: Fuel controllers that modify the signal from an airflow sensor.
 - 2. For 2005 and older model year vehicles:
- a. A supplementary ("piggyback") ECU is permitted. It must be plug-compatible with the standard PCM/ECU (no splices) and must connect only between the standard PCM/ECU and its wiring harness.
- b. VTEC controllers and other devices may be used which alter the timing of manufacturer electronic variable-valve systems.
 - 3. 1995 and older vehicles may implement a replacement "stand-alone" PCM/ECU."

(SCCA Fastrack News, Apr 2022, Jul 2022, Nov 2022, #31787)

Street Prepared Category

ITEM 13) B-Spec Race Cars in Solo II

Add new paragraph to 15.0 just before "While the rules of the Street Prepared Category..." as follows:

"Cars eligible for the current Club Racing B-Spec class are permitted to compete in Street Prepared class F (FSP). Vehicles must follow all B-Spec rules including tire requirements. B-Spec cars in FSP may not intermix use of the B-Spec and Street Prepared allowances. The competitor is responsible for being in possession of the B-Spec rules and for ensuring that their car conforms to the rules."

(SCCA Fastrack News, Mar 2022, Dec 2022, #31247)

ITEM 14) Transmission Tuning

Add new subsection 15.10.FF as follows:

15.10.FF: The Transmission Control Unit (TCU) may be re-programmed. This allowance only applies to modification of transmission behaviors and does not extend to re-programming any other components.

(SCCA Fastrack News, Mar 2022, Dec 2022, #31855)

ITEM 15) C7 Corvette Factory Rear Spoiler - Wickerbill Spoiler Extension

Change 15.2.I.2.b as follows:

"It is a non-production rear spoiler which is mounted to the rearmost portion of the rear hatch, deck, or trunk lid, or bodywork. The spoiler may extend no more than 10" (254 mm) from the original bodywork in any direction. Alternatively, in a hatchback, the spoiler may be mounted to the rear hatch lid at or near the top of the hatch; in such a configuration the spoiler may extend no more than 4" (101.6 mm) from the original bodywork in any direction. The spoiler shall not protrude beyond the perimeter of the original bodywork as viewed from above. The use of endplates is prohibited. Angle of attack is free. The spoiler may not function as a wing."

(SCCA Fastrack News, May 2022, Dec 2022, #31454)

ITEM 16) Street Prepared Classing Proposal

The SPAC and SEB have been monitoring the competitive balance and participation in the classes within the SP category. There is an opportunity to re-organize the classing structure within Street Prepared to decrease the number of classes to make diverse and competitive classes, and to make room for future growth of the category. This proposal has been presented to the membership and refined as a result of their input.

The full set of proposed changes are as follows:

Change the "Classes" subsection of the SP Preamble in Section 15 as follows:

"Classes

Super Street Prepared (SSP): High Performance sports cars, *AWD turbo sedans*, *highest performance muscle cars and foreign grand touring cars*

A Street Prepared (ASP): AWD turbo sedans and medium performance coupes and sports cars

B Street Prepared (BSP): Medium performance 2 seater and 2+2 sports cars

C Street Prepared (CSP): Lower and medium powered 2 seat and 2+2 sports cars, and FWD cars

D Street Prepared (DSP): Heavier RWD sports sedans/coupes and FWD cars, *medium performance 2-seater and 2+2 sports cars*

E Street Prepared (ESP): Muscle cars and foreign grand touring cars.

F Street Prepared (FSP): FWD cars with some lower power RWD and AWD cars."

Change the Street Prepared category listings in Appendix A as follows:

STREET PREPARED CATEGORY

Super Street Prepared (SSP)

Acura

NSX (1990-2005)

NSX (2016-21) Audi R8 (except GT) (2008-19) TT RS (2012-13) TT RS (2018-19) *Limited Prep* TTS (2014-19) **BMW** 135 & 1 Series M (2008-13) M2 (non-ZL9) M235i (2014-16) M3 (E90, E92, E93) (2007-13) M4 (F82/F83 chassis) Z4 sDrive35i & sDrive35is (2012-13) *Z*8 Chevrolet Camaro ZL1 (2017-19) Camaro ZL1 (2012-13) Corvette (C7 chassis, all) Corvette (C6 chassis) (2005-13) Corvette (C5 chassis) (1997-2004) Dodge Viper Elva Courier Ferrari 355 360 Dino 206 & 246 (all) F430 (all) Ford GT Mustang Shelby GT350/GT350R (S550) Griffith (all) Lamborghini Gallardo (all excluding Super Trofeo) (2003-13) Huracan (all) (2014-19) Lotus 7 & 7A Elan (RWD) Elan M100 (FWD, all) Europa (all)

Elise, Exige, & Exige S (2005-11) Elite 2+2 & Eclat Esprit (4-cyl, all) Esprit (V8) Evora & Evora S (2010-14) Evora 400

Mazda

RX-7 (1993-95)

McLaren

600LT *Limited Prep* 620R *Limited Prep* 720S MP4-12C (all)

Mitsubishi

Lancer Evolution (VIII,IX) (2003-07) Lancer Evolution (X) & Ralliart (2008-13)

Morgan

V8 (all)

Nissan

GT-R (R35)

Porsche

911 (996 & 997 chassis) (1999-2012)

911 GT2 (996 & 997 chassis, all) 911 GT2 RS (991 chassis) *Limited Prep* 911 GT3 (991 chassis, all) 911 GT3 (996 & 997 chassis, all) 911 Turbo (1976-89) 911 Turbo (964 chassis) (1990-94) 911 Turbo (993) (1996-97) 911 Turbo & Turbo S (991 chassis) (2012-17) 911 Turbo & Turbo S (996 & 997 chassis) (2001-12) Boxster & Cayman (981 chassis, all) Boxster & Cayman (987 chassis, all)

OTA (2010)

Cayman GT4 (2016)

Shelby

Cobra 289

Subaru

Impreza WRX (incl. STI) (2002-14), Legacy (Turbo) (2004-14), & Forester XT (2004-14) Impreza WRX (incl. STI; excl. Type RA & 2019 STI) (2015-19)

Sunbeam

Tiger (260,289)

Tesla

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Roadster (2008-12)
Model 3 *Limited Prep*
Model S Plaid *Limited Prep*

Toyota
Supra (2020-2022)
Supra (1993.5-98)

TVR
4-cyl & 6-cyl (all)
V8 (al)

Volkswagen
Golf R (2015-18)
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"Catch-all":

Sports car over 2.0L engine not otherwise classified. (See Section 15.1.C for update/backdate limitations.)

A Street Prepared (ASP)

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Acura
  NSX (1990-2005)
Audi
  A4 (2008-16)
  <del>$4 (2000-03)</del>
  S4 (2010-16) & S5 (2013-16)
  TT RS (2018-19) *Limited Prep*
  TTS (2014-19)
BMW
  135 & 1 Series M (2008-13)
  M2 (non-ZL9)
  M235i (2014-16)
  M4 (F82/F83 chassis)
  Z4 sDrive35i & sDrive35is (2012-13)
  <del>Z8</del>
Bricklin
Chevrolet
  Camaro ZL1 (2017-19)
  Camaro ZL1 (2012-13)
DeLorean
DeTomaso
  Mangusta (all)
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Pantera (all)

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Dodge
  Stealth Turbo
<del>Ferrari</del>
  250 (non-LM) 275
  308 Coupe & Spider 330
  365 Daytona GTB,
  GTC
Ford
  Focus RS (2016-17)
  Mustang Shelby GT350/GT350R (S550) (2015-16)
  Mustang Shelby GT500 (S197) (2011-14)
  Mustang Shelby GT500 (2020) *Limited Prep*
Jaguar
  E-type (all)
Mazda
  RX-7 (1993-95)
Mercedes-Benz
  CLK 320 & CLK 32 AMG
  E36 AMG (2010-16)
  SLK55 AMG (R171) (2004-11)
Mitsubishi
  Lancer Evolution (VIII. IX) (2003-07)
  Lancer Evolution (X) & Ralliart (2008-13)
  3000GT Turbo
Pontiac & Saturn
  Solstice GXP & Sky Redline
Porsche
  911 Turbo (1976-89)
  911 Turbo (964 chassis) (1990-94)
  911 Turbo (993) (1996-97)
  911 (996 & 997 chassis) (1999-2012)
  Boxster & Cayman (981 chassis, all)
  Boxster & Cayman (987 chassis, all)
Shelby
  Cobra 289
Subaru
  Impreza WRX (incl. STI) (2002-14), Legacy (Turbo) (2004-14), & Forester XT (2004-14)
  Impreza WRX (incl. STI; excl. Type RA & 2019 STI) (2015-19)
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Sunbeam

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Tiger (260, 289)
<del>Tesla</del>
  Model 3 *Limited Prep*
Toyota
  MR2 (all incl. Turbo) (1991-95)
  Supra (2020)
  Supra Turbo (19931/2-98)
Volkswagen
  Golf R (2015-18)
<del>Volvo</del>
  S60R & V70R (2004-07)
B Street Prepared (BSP)
Alfa Romeo
  4C *Limited Prep*
Audi
  TT (1.8T; FWD & quattro)
  TT (3.2L; quattro)
  TT (2014-19)
  TTS (2009-13)
  Quattro Turbo Coupe
BMW
  128 (2008-13)
  320i (F30 chassis) (2012-16)
  335 (2006-13)
  M Coupe, M Roadster, & Z3 (6-cyl; all)
  M3 (E36 chassis, all)
  M3 (E46 chassis)
  Z4 (non-turbo; all incl. M)
Chevrolet
  Corvette (1953-54)
  Corvette (1955-57)
  Corvette (1958-62)
  Corvette (1963-67)
  Corvette (1968-82)
  Corvette (1984-96) (all)
Chrysler
  Crossfire SRT6
Fiat
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124 Spider (2016-20)

Honda

S2000

Mazda

MazdaSpeed Miata
MX-5 (2006-2015)
MX-5 Miata (ND chassis, all) (2016-19)
RX-7 Turbo (1986-92)

Nissan & Datsun

240Z, 260Z, & 280Z 280ZX & 280ZX Turbo 300ZX Turbo (1984-89) 300ZX Turbo (1990-96) 350Z (all) 370Z (all) (2009-18)

Pontiac

Firebird Firehawk SLP (3rd gen, 383cid) (1990-92) Firebird Firehawk SLP (4th gen, 383cid) (1993-2002)

Porsche

911 (non-turbo) (1965-89)
911 (964 & 993)
911 (non-turbo, NOC)
911 Turbo (1976-89) *Limited Prep*
911 Turbo (964 chassis) (1990-94) *Limited Prep*
911 (996 & 997 chassis) (1999-2012) *Limited Prep*
914/6 (all)
924 (incl. Turbo)
944 (16v & Turbo engines)
928
968
Boxster & Cayman (981 chassis, all) *Limited Prep*
Boxster & Cayman (986 chassis, all)
Boxster & Cayman (987 chassis, all)*Limited Prep*

Saleen

Mustang S281E & Mustang (NOC)

Triumph

TR-8

Volkswagen

Golf R (2012-13)

C Street Prepared (CSP)

Alfa Romeo

4C *Limited Prep* **BMW** Z3 (4-cyl) M3 (E30 chassis) M Coupe, M Roadster, & Z3 (6-cyl; all) Z4 (non-turbo; incl. M) Chrysler Crossfire SRT6 Datsun Roadster (1500, 1600, & 2000) Fiat Abarth (NOC) 124 Spider (1975-78) & 2000 Spider (non-turbo) 124 Spider (2016-20) 2000 Spider Turbo Honda Civic & CRX (1988-91) S2000 Lancia Scorpion Lotus Cortina Elite (1216 cc) Mazda MazdaSpeed Miata MX-5 Miata (1990-2005) MX-5 (2006-2015) MX-5 Miata (ND chassis, all) (2016-22) RX-2 & 616 RX-3, RX-3SP, & 808 Mizer RX-7 (non-turbo) (1978-85) RX-7 (non-turbo) (1986-92) RX-7 Turbo (1986-92) Mercedes-Benz 190E (16v) Mitsubishi 3000GT Turbo Morgan

4/4 Pininfarina

2000

Pontiac & Saturn

Solstice & Sky Solstice GXP & Sky Redline

Porsche

356 & 1600 924S & 944 (8v, non-turbo) Carrera (4-cyl)

Scion & Subaru

FR-S & BRZ (2013-14)

Toyota

MR-2 & MR-2 Supercharged (1st gen) (1985-89) MR2 (all incl. Turbo) (1991-95) MR2 Spyder (2000-05)

Triumph

TR-8

"Catch-all":

Sedan over 1.7L & under 3.0L not otherwise classified. Sports car under 2.0L not otherwise classified. (See Section 15.1.C for update/ backdate limitations.)

D Street Prepared (DSP)

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Acura
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Integra (1990-93)
Integra (incl. Type R) (1994-01)
RSX (all)
TSX

Alfa Romeo

GTV V6 (all) Milano

Audi

A3 (2005-13)
A4 (1.8T, FWD & quattro) (1995-01)
A4 (1.8T, FWD & quattro) (2002-05)
A4 (2008-16)
Coupe GT & Quattro (1980-88)
S4 (2000-03)
S4 (2010-16)
TT (1.8T; FWD & quattro)
TT (3.2L; quattro)

TT (2014-19) TTS (2009-13) Quattro Turbo Coupe

BMW

128i *Limited Prep*
318 (16v) & 325 (E30 chassis)
320i (F30 chassis) (2012-16)
323, 325, & 328 (E36 chassis)
323, 325, 328 & 330 (E46 chassis, non-M3)
328 (2006-13)
335 (2006-13)
3 Series (16v, NOC)
Bavaria
M3 (E30 chassis)
M3 (E36 chassis, all)
M3 (E46 chassis)

Bricklin

Chevrolet, Pontiac, Buick, Oldsmobile, & Geo

Corvette (1953-54) Corvette (1955-57) Corvette (1958-62) Corvette (1963-67) Corvette (1968-82) Corvette (1984-96) (all) Camaro ZL1 (2017-19) *Limited Prep* Camaro ZL1 (2012-13) *Limited Prep* Cobalt SS (N/A) (2005-07) Cobalt SS Supercharged (2005-07) Cobalt SS Turbo (2008-10) HHR SS Turbo J Body (4-cyl Turbo, Quad 4 DOHC, & V6) L Body (Quad 4 & V6) N Body (4-cyl Turbo, Quad 4, & V6) Spectrum Turbo (1985-89) Storm GSi (1985-89) X Body (V6)

Chrysler, Plymouth, & Dodge

Acclaim (V6 & Turbo)
Charger GLH-S
Conquest & Starion (non-turbo)
Crossfire (non-SRT-6)
Daytona Turbo
Daytona (V6)
GLH-S & GLH Turbo
Laser Turbo (NOC) & K-car Turbo
Shadow (4-cyl Turbo & V6)
Shelby Charger Turbo

Spirit (4-cyl Turbo & V6) SRT-4 Sundance Turbo DeLorean DeTomaso Mangusta (all) Pantera (all) Dodge Stealth Turbo Dodge & Mitsubishi Colt Turbo & Mirage Turbo (1984-88) Colt Turbo & Mirage Turbo (1989-92) **Eagle** Summit Turbo (16v) (1989-90) Ferrari 250 (non-LM) 275 308 Coupe & Spider 330 348 365 Daytona GTB, GTC 500 Abarth (2012-13) Ford & Mercury Capri (4-cyl & 6-cyl) (1971-77) Capri (1991-95) Contour SVT Cougar (1999-2002) Fiesta ST (2014-18) Focus ST (2013-18) Focus RS (2016-17) Fusion & Milan (6-cyl) (2006-13) Mustang Shelby GT500 (S197) (2011-14) *Limited Prep* Mustang Shelby GT500 (2020) *Limited Prep* Probe (Turbo & V6) Honda Civic Si (1999-2000) Civic Si (2002-05) Civic Si (2006-12) Civic Type R (2017-20) Del Sol (DOHC)

Prelude 4WS

Prelude (1992-2001) (NOC) Hyundai **Tiburon** Veloster Turbo (2019) I-Mark LS (16v & Turbo, FWD) (1985-89) I-Mark RS (16v & Turbo, FWD) Impulse RS Turbo (AWD) (1990-93) Impulse Turbo & RS (RWD) (1983-89) Impulse XS (16v non-turbo) (1990-93) Impulse (16v & Turbo) Stylus XS & RS (16v) (1990-93) Jaguar E-Type (all) Kia Forte Koup (2010-12) **Lexus** IS-300 Maserati **BiTurbo** Mazda MX-5 (2006-2015) "Limited Prep" 323 GT & GTX (AWD) Mazda6 (6-cyl) MazdaSpeed3 **MazdaSpeed Protege** MX-6 (Turbo & V6) RX-8 Spec Miata (See 15.0 for preparation allowance requirements) Mercedes 190 (all) (1984-93) C230 CLK 320 & CLK 32 AMG E36 AMG (2010-16) SLK55 AMG (R171) (2004-11) Merkur XR4Ti **MINI** Cooper S (including JCW & JCW GP except Countryman) Mitsubishi & Eagle

```
Cordia Turbo
  Eclipse (2000-12)
  Eclipse Turbo & Talon Turbo (1989-99)
  Galant (all)
  Tredia Turbo
Plymouth
  Laser (AWD)
Nissan & Datsun
  200SX Turbo
  200SX (V6)
  240SX
  240Z. 260Z. & 280Z
  280ZX * 280ZX Turbo
  300ZX Turbo (1984-89)
  300ZX Turbo (1990-96)
  350Z (all)
  370Z (all) (2009-18)
  Altima (2007-13)
  Maxima
  Pulsar (16v)
  Pulsar NX Turbo
  Sentra (2.0L) (2000-01)
  Sentra (B15 chassis) (2002-06)
  Sentra (B16 chassis) (2007-12)
Peugeot
  505 (all) (1979-91)
Pontiac
  Fiero (V6)
Pontiac & Toyota
  Corolla XRS (2005-06), Matrix XRS (2003-06), & Vibe GT (2003-06)
  Matrix & Vibe (AWD) (2003-08)
Porsche
  911 (non-turbo) (1965-89) *Limited Prep*
  911 (964 & 993) *Limited Prep*
  911 (non-turbo, NOC) *Limited Prep*
  911 (non-turbo) (1965-89)
  911 (964 & 993)
  991 (non-turbo, NOC)
  911 Turbo (1976-89) *Limited Prep*
  911 Turbo (964 chassis)(1990-94) *Limited Prep*
  911 (996 & 997 chassis) (1999-2012) *Limited Prep*
  914 (4-cyl)
  914/6 (all) *Limited Prep*
  924 (including Turbo) *Limited Prep*
  944 (16V & Turbo engines) *Limited Prep*
```

```
928 *Limited Prep*
  968 *Limited Prep*
  Boxster & Cayman (981 chassis, all) *Limited Prep*
  Boxster & Cayman (986 chassis, all)
  Boxster & Cayman (987 chassis, all) *Limited Prep*
Renault
  Fuego Turbo
  R5 Turbo
Saab
  99. 99 EMS. & 99 Turbo
  900 & 900 Turbo (1979-93)
  900 & 900 Turbo (1994-98)
Saturn
  Ion (all) & NOC
  Scion
  FR-S (2013-16) *Limited Prep*
Subaru
  BRZ (2013-16) *Limited Prep*
  BRZ (2017-18) *Limited Prep*
  Impreza (all) (1993-2001)
  Impreza (2.5L) (NOC)
  Legacy & Outback (6-cyl, all) (1998-2004)
  Legacy & Outback (6-cyl, all) (2005-13)
Toyota
  86 (2017-18) *Limited Prep*
  Camry V6
  Celica (2000-05)
  Celica All-Trac (all)
  Supra (1979-81)
  Supra (1982-86)
Volkswagen
  Golf, Jetta, & New Beetle (1.8T, Mk4 chassis) (1999-2005)
  Golf, GTI, GLI, & Jetta (2.0T) (2006-13)
  Golf R (2012-13)
  New Beetle Turbo
  Passat VR6
  R32
Volvo
  240 Series Turbo (all)
  C30 (2006-09)
  S40 (1995-2004)
  S40 (2005-11)
  S60R & V70R (R171) (2004-11)
```

"Catch-all":

6-cyl (normally aspirated) or 4-cyl (mechanically forced induction) 2WD sedan under 3.0L not otherwise classified. (See Section 15.1.C for update/ backdate limitations.)

E Street Prepared (ESP)

```
Acura
  Integra (1990-93)
  Integra (incl. Type R) (1994-01)
  RSX (all)
  TSX
Alfa Romeo
  GTV V6 (all)
  Milano
AMC
  AMX & Javelin (all)
Audi
  5000 Turbo, 5000 Turbo quattro, 200, & 200 quattro
  A3 (2005-13)
  A4 (1.8T, FWD & quattro) (1995-01)
  A4 (1.8T, FWD & quattro) (2002-05)
  A8 & A8 quattro
  Coupe GT & Quattro (1980-88)
  S4 & RS4 (2004-09)
  V8 quattro
BMW
  128i *Limited Prep*
  2500 & 2800 (all)
  318 (16v) & 325 (E30 chassis)
  323, 325, & 328 (E36 chassis)
  323, 325, 328, & 330 (E46 chassis, non-M3)
  328 (2006-13)
  3 Series (16v, NOC)
  3.0S & CS (all)
  528, 530, & 533 (non-turbo)
  633i & 733i (all)
  Bavaria
  M2 (non-ZL9) *Limited Prep*
  M3 (E46) *Limited Prep*
  M3 (E90, E92, E93) (2007-13) *Limited Prep*
  M3 (F80 chassis) *Limited Prep*
  M4 (F82/F83 chassis) *Limited Prep*
Cadillac
  ATS-V (2016-2019) *Limited Prep*
  CTS & CTS-V (2004-07)
```



Chevrolet, Pontiac, Buick, & Oldsmobile

Camaro (2.0L Turbo) (2016-20)

Camaro (3.6L V6) (2016-20)

Camaro (6.2L V8, NA) (2016-20)

Camaro (non-ZL1) (2010-15)

Camaro, Firebird, SS, Firehawk, & WS6 (4th gen) (1993-2002)

Camaro, Firebird, & Firehawk(1982-92) (3rd gen)

Camaro & Firebird (19701/2-81)

Camaro & Firebird (1967-70)

Chevelle (1964-67)

Chevelle (1968-72)

Cobalt SS (N/A) (2005-07)

Cobalt SS Supercharged (2005-07)

Cobalt SS Turbo (2008-10)

Corvair Yenko Stage I, II, & III (all)

G8 (2008-09)

GTO (2004-06)

HHR SS Turbo

J Body (4-cyl Turbo, Quad 4 DOHC, & V6)

L Body (Quad 4 & V6)

Lumina

Monza (V8) & Skyhawk (V6)

Reatta

Regal(1980-88) (V6 & V8, RWD)

N Body (4-cyl Turbo, Quad 4, & V6)

Spectrum Turbo (1985-89

Storm GSi (1985-89)

SS sedan (2013-17)

Starfire & Sunbird (V6, all)

Trans Am Turbo (1982-92)

X Body (V6)

Chrysler, Plymouth, & Dodge

Acclaim (V6 & Turbo)

Barracuda (1965-69) & Dart, Duster, & Valiant (1963-76) (A-body)

Barracuda & Challenger (E-body) (1970-74)

Challenger (2008-13)

Challenger (6-cyl & V8, NOC)

Charger (2006-13)

Charger GLH-S

Conquest Turbo

Conquest & Starion (non-turbo)

Crossfire (non-SRT-6)

Daytona Turbo

Daytona (V6)

GLH-S & GLH Turbo

Laser Turbo (NOC) & K-car Turbo

Laser (FWD)

Shadow (4-cyl Turbo & V6)

Shelby Charger Turbo

Spirit (4-cyl Turbo & V6)

SRT-4

```
Sundance Turbo
  Stealth (non-turbo)
  Dakota (1997-04)
Dodge & Mitsubishi
  Colt Turbo & Mirage Turbo (1984-88)
  Colt Turbo & Mirage Turbo (1989-92)
Eagle
  Summit Turbo (16v) (1989-90)
Ferrari
  400 America (all)
  500 Superfast (all)
  500 Abarth (2012-13)
Ford & Mercury
  Capri (4-cyl & 6-cyl) (1971-77)
  Capri (1991-95)
  Contour SVT
  Cougar (1999-2002)
  Cougar (1971-74)
  Cougar (1965-70)
  Fiesta ST (2014-18)
  Focus ST (2013-18)
  Fusion & Milan (6-cyl) (2006-13)
  Mustang Shelby GT350/GT350R (S550) (2015-2020) *Limited Prep*
  Mustang (non-GT350, non-GT500) (2015-19)
  Mustang (S197 incl. Boss 302, Boss 302 Leguna Seca, & Shelby GT500 2007-10) (2005-13)
  Mustang (SN95 chassis, NOC including Cobra & Cobra R) (1994-2004)
  Mustang SVO, Cobra, Cobra R(1979-93) & Capri (1979-86) (4-cyl Turbo, V6, & V8)
  Mustang II (1974-78)
  Mustang & Cougar (1971-73)
  Mustang & Cougar (1969-70)
  Mustang & Cougar (1967-68)
  Mustang (1964½-66)
  Probe (Turbo & V6)
  Taurus SHO
  Thunderbird & Cougar (1989-97)
  Thunderbird & Cougar (1983-88)
Honda
  Civis Si (1999-2000)
  Civic Si (2002-05)
  Civic Si (2006-12)
```

Hyundai

Civic Type R (2017-20) Del Sol (DOHC) Prelude 4WS

Prelude (1992-2001) (NOC)

Genesis (2009-12) **Tiburon** Veloster Turbo (2019) Infiniti G35 G37 M30 Q45 Isuzu I-Mark LS (16v & Turbo, FWD) (1985-89) I-Mark RS (16v & Turbo, FWD) Impulse RS Turbo (AWD) (1990-93) Impulse Turbo & RS (RWD) (1983-89) Impulse XS (16v non-turbo) (1990-93) Impulse CS (16v & Turbo) Stylus XS & RS (16v) (1990-93) Jaguar Sedans (6-cyl & 12-cyl) XJS (all) XK 120, 140, 150, & 160 Lexus ES 250 GS 400, LS 400, & SC 400 **IS300** IS F Maserati BiTurbo Mazda 323 GT & GTX (AWD) 929 Mazda6 (6-cyl) MazdaSpeed3 MazdaSpeed Protégé MazdaSpeed6 MX-6 (Turbo & V6) Spec Miata Mercedes-Benz 190 (all) (1984-93) 230SL, 250SL, & 280SL (all) 350SL, 380SL, & 450SL (all) 220, 230, 250, & 280 Sedans (all) 280 (4.5L, all) & 300 (6.3, all) Sedans

```
Merkur
  XR4Ti
Mini
  Cooper S (including JCE JCE GP except Countryman)
Mitsubishi
  3000 GT (non-turbo)
  Cordia Turbo
  Eclipse (2000-12)
  Eclipse Turbo & Talon Turbo (1989 -99)
  Galant (all)
  Starion Turbo
  Tredia Turbo
Nissan
  200SX Turbo
  200SX (V6)
  240SX
  300ZX (non-turbo) (1984-89)
  300ZX (non-turbo) (1990-96)
  Altima (2007-13)
  Maxima
  Pulsar (16v)
  Pulsar NX Turbo
  Sentra (2.0L) (2000-01)
  Sentra (B15 chassis) (2002-06)
  Sentra (B16 chassis) (2007-12)
Peugeot
  405
  505 (all) (1971-91)
Plymouth
  Laser (AWD)
Pontiac
  Firebird Firehawk SLP (3rd gen, 383cid) (1990-92)
  Firebird Firehawk SLP (4th gen, 383cid) (1993-2002)
Pontiac & Toyota
  Corolla XRS (2005-06), Matrix XRS (2003-06), & Vibe GT (2003-06)
  Matrix & Vibe (AWD) (2003-08)
Porsche
  911 (non-turbo) (1965-89) *Limited Prep*
  911 (964 & 993) *Limited Prep*
  911 (non-turbo, NOC) *Limited Prep*
  914 (4-cyl)
  914/6 (all) *Limited Prep*
```

924 (including turbo) *Limited Prep*

```
944 (16v & Turbo engines) *Limited Prep*
  928 *Limited Prep*
  968 *Limited Prep*
Renault
  Fuego Turbo
  R5 Turbo
Saab
  99, 99 EMS, & 99 Turbo
  900 & 900 Turbo (1979-93)
  900 & 900 Turbo (1994-98)
  SPG (16v & Turbo)
Saleen
  Mustang 302 & 351 (non-super-charged) (1984-93)
Saturn
  Ion (all) & NOC
Scion
  FR-S (2013-16) *Limited Prep*
Shelby
  GT350 (1965-66)
  GT350 & GT500 (1967-70)
Subaru
  BRZ (2013-16) *Limited Prep*
  BRZ (2017-20) *Limited Prep*
  Impreza (all) (1993-2001)
  Impreza (2.5L) (NOC)
  Legacy & Outback (6-cyl, all) (1998-2004)
  Legacy & Outback (6-cyl, all) (2005-13)
  Legacy 2.5GT (2005-12)
Toyota
  86 (2017-18) *Limited Prep*
  Camry V6
  Celica (2000-05)
  Celica All-Trac (all)
  Supra (1979-81)
  Supra (1982-86)
  Supra (all) (19861/2-92)
  Supra (non-turbo) (1993-96)
Volvo
  240 Series Turbo (all)
  700 Series (all)
  800 Series (all)
```

C30 (2006-09)

```
$40 (1995-2004)
$40 (2005-11)
$60 & V70

Volkswagen

Golf, Jetta, & New Beetle (1.8T, Mk4 chassis) (1999-2005)

Golf, GTI, GLI, & Jetta (2.0T) (2006-13)

New Beetle Turbo

Passat VR6

Passat W8 4Motion

R32
```

"Catch-all":

American 6-cyl & V8 sedan or pick-up not otherwise classified. Other sedan over 3.0L not otherwise classified. (See Section 15.1.C for update/ backdate limitations.)

F Street Prepared (FSP)

```
Acura
   Integra (1986-89) Legend
  RSX (non-S) *Limited Prep*
Alfa Romeo
  1300 (all)
  1600 (all)
  1750 (all)
  2000 (all)
  Alfetta GT
AMC
  (4-cyl, all)
Audi
  80 (all)
  90 (all)
  100LS (all)
  4000 (all)
  5000
Austin
  America (all)
  Mini & Mini Cooper (850, 970, 997, 998, 1071, & 1275, all)
Austin-Healey
   Sprite (all)
   100-4, 100-6, & 3000
BMW
   1600
```

1800ti & 1800 TiSA 1600-2, 1602, & 2002 (+ tii) 318i (8v, E30 chassis) 318i & 318is (E36 chassis) 318ti (E36 chassis) 320i (E21 chassis) (1975-83)

Chevrolet, Pontiac, Buick, Oldsmobile, Geo, & Suzuki

Beretta (4-cyl) Camaro (4-cyl) (1982-86) Cavalier (4-cyl OHV) (1982-2002) Chevette & T1000 Citation & Omega Corvair (non-Yenko)

Fiero (4-cyl)

Firebird (4-cyl) (1982-86) Metro & Swift (1985-88) Metro & Swift (1989-93)

Metro & Swift (1995-2001)

Monza (NOC), Starfire, Omega, Astre, & Skyhawk (RWD)

Phoenix & Skylark

Prism

S-10 (1994-2004) Sonic (2012-18)

Spectrum (1.5L non-turbo) (1985-89)

Spectrum (NOC)
Sprint & Sprint Turbo
Storm (all)
Sunbird (4-cyl)

Vega & Cosworth Vega

Chrysler, Plymouth, & Dodge

Acclaim (4-cyl non-turbo)
Arrow 1600, 2000, & 2600
Champ (non-turbo, all)
Colt (non-turbo, FWD)
Colt (8v non-turbo)
Colt (1600 & 2000, RWD)
Daytona (non-turbo)
Horizon, TC3, & Turismo (1.7L, 1.8L, & 2.2L)
Laser (non-turbo) (1989-99)
Neon (all) (1994-05)
Omni, 024, & Charger
Rampage (2.2L)

Rampage (2.2L)

Sapporo (1600, 2000, & 2600)

Shelby (2.2L non-turbo) (1983-84)

Spirit (4-cyl non-turbo)

Dodge, Mitsubishi, & Eagle

Colt & Mirage (non-turbo) (1984-88) Colt, Mirage, & Summit (non-turbo) (1989-92)

Colt, Mirage, & Summit (non-turbo) (1993-96)

Eagle

Talon (non-turbo) (1989-99)

```
Fiat & Bertone
  124 (1966-74)
  128
  131 & Brava
  850 Sedan
  850 Coupe & Spider Strada
  X1/9 (all)
Ford & Mercury
  Capri II (1976-77)
  Cortina
  Escort, EXP, Lynx, & LN7 (1981-90)
  Escort, Escort GT, & Tracer (1991-96)
  Escort, ZX2, & Tracer (1997-2002)
  Festiva
  Fiesta (1976-80)
  Focus (all) (1999-2007)
  Fusion & Milan (4-cyl)
  Mustang II (4-cyl) (1974-78)
  Mustang & Capri (4-cyl non-turbo)
  Pinto & Bobcat (4-cyl)
  Pinto Wagon (2000, 2300, & 2600)
  Probe (4-cyl non-turbo)
Honda
  Accord (1976-81)
  Accord (1982-12)
  Civic (1973-79)
  Civic (1980-83)
  Civic & CRX (all) (1984-87)
  Civic (1992-95) & Del Sol (1992-97) (SOHC)
  Civic (non-Si) (1996-2000)
  Civic (non-Si) (2001-05)
  Civic (non-Si) (2006-12)
  Civic SI (2005-2011) *Limited Prep*
  Civic SI (2012-2015) *Limited Prep*
  Fit
  Prelude (1979-82)
  Prelude (1983-87)
  Prelude (1988-91)
Hyundai
  Elantra
  Excel
  Scoupe
  Veloster Turbo (2012-17) *Limited Prep*
  NOC (all)
Infiniti
  G20
Isuzu
  I-Mark (1.5L non-turbo)
  FWD models (1985-89)
```

I-Mark RS (16v) (1985-89) I-Mark (RWD) (1980-85) Impulse (non-turbo) (1983-89) Stylus S (12v) (1990-93) Jensen-Healey Kia Forte (2008-11) Forte (2012-18) Forte Koup (2010-12) Spectra (1.8L 4-cyl) Lancia Beta & Zagato (1975-83) Mazda Mazda2 Mazda3 323 (non-turbo) (1986-89) 323, MX-3 (4-cyl) & Protégé (1990-94) 626 (FWD, all) 626 (RWD, all) Cosmo (all) GLC (FWD, all) GLC (RWD, all) MX-6 (4-cyl non-turbo) Protégé (1995-98) Protégé (1999-2003) R-100 RX-4 MG 1100, 1300 Sedan (all) A (all) B & B GT (all) C & C GT (all) Midget (948, 1098, 1275, & 1500; all) MINI Cooper (non-S) (2002-13) Mitsubishi Cordia (non-turbo) Eclipse (1989-99) (non-turbo) Lancer (non-turbo) Mirage (1997-2002) (non-turbo) Tredia (non-turbo) Morgan +4 (2138 cc; all) Nissan & Datsun 1200

200SX (1976-79) 200SX (1980-83) 200SX (1984-88) 200SX SE-R 210 310 510 (1968-73) 510 (1978-81) 610 710 B210 F-10 NX1600 NX2000, Pulsar, Sentra, & Sentra SE-R (1991-94) Pulsar & Pulsar NX (non-turbo, all) Sentra (1.8L) (2000-06) Sentra (2.0L) (1995-99) Stanza (all) Versa (2007-16) Opel 1900 & Manta GT 1100 GT 1500 & 1900 Kadett 1100 Kadett 1500 & 1900 Pontiac & Toyota Corolla, Matrix, & Vibe (2003-08) (NOC) Peugeot 405 DL & 405 S Porsche 912 912E 924 (Audi engine) Renault 15 & 17 (all) 16 (all) 17 Gordini 18i (all) Alliance, GTA & Encore Fuego (non-turbo) R-5 (NOC) & LeCar Saab Sonnet (1968-74) Saturn SL (1991-95), SW (1993-95), & SC (1991-96)

SL (1996-99), SW (1996-99), & SC (1997-2000) SL (2000-02), SW (2000-02), & SC (2001-02)

Scion tC Sunbeam Alpine (all) Subaru Turbo 4WD (all, NOC) Forester (non-turbo) Impreza 2.0i (2012-13) Legacy & Legacy GT Suzuki Aerio Toyota Camry (4-cyl) Celica (1970-77) Celica (1978-81) Celica (1982-85) Celica (FWD) (1986-89) Celica (FWD) (1990-93) Celica (1994-99) Celica (2000-05) *Limited Prep* Corolla 1200 Corolla (1600 & SR-5) (1970-79) Corolla (1600 & 1800, RWD) (1980-83) Corolla (AE86 chassis, all) (1984-87) Corolla FX16 Corolla GTS (AE92 chassis, FWD) (1990-91) Starlet Tercel Yaris Triumph GT-6 Herald (all) Spitfire TR-2 & TR-3 TR-4 & TR-4A TR-250 & TR-6 TR-7 Volkswagen Beetle (RWD) Cabriolet (1985-92) Corrado (all) Dasher & Quantum (4-cyl, all) Fox GL Golf & Jetta (all, A2 chassis) (1985-93) Golf, Jetta, & Cabrio (8v, A3 chassis) (1993-98)

Golf & Jetta (VR6, A3 chassis) Golf & Jetta (VR6, NOC, A4 chassis)

Golf, Jetta, & Beetle TDI

Golf GTI (2006-09) *Limited Prep*
Golf GTI (2010-13) *Limited Prep*
GTI (2006-13) *Limited Prep*
GTI (MK7) *Limited Prep*
Karmann Ghia
Passat (all, NOC)
Rabbit, Jetta, Scirocco, Cabriolet, & Pickup (all, A1 chassis) (1975-92)
Rabbit (2.5L 5-cyl, A5 chassis) (2006-09)

Volvo

120 Series (all) 140 Series (all) 160 Series (all) 1800, P1800, & ES1800 (all) 240 Series (non-turbo, all) 260 Series (all) 700 Series (all)

Yugo

"Catch-all":

Sedan under 1.7L not otherwise classified:4-cyl or rotary RWD mini-pickup(See Section 15.1.C for update/backdate limitations.)

(SCCA Fastrack News, Jul 2022, Oct 2022, Dec 2022, #32714)

Street Modified Category

ITEM 17) 80's Front Engine, RWD Porsche in SM Allowance Proposal

In Appendix A Street Modified Class (SM) change as follows:

Excluded Vehicles:

- Porsche (all except 924, 928, 944, 968)
- JDM-spec cars
- Lotus (all)
- MGB GT
- Triumph (all)

(SCCA Fastrack News, May 2022, Nov 2022, #30491)

ITEM 18) Request to allow MR2 Spyders to remove soft top in SSM

Add to 16.1.H as shown:

Front hoods (engine covers), engine covers, trunk lids and hatches not containing glass, front fenders, rear fenders not part of chassis structure (unibody), front & rear bodywork, side skirts, may be modified or replaced, and may be attached with removable fasteners. Associated hardware including latches, hinges, window washer system, and hood liners may be modified, removed, or replaced. Non-metallic fender liners may be modified, replaced, or removed. Convertible soft tops may be modified, replaced, or removed.

(SCCA Fastrack News, May 2022, Nov 2022, #31228)

ITEM 19) Please define splitter specifics

Change 16.1.L as follows:

16.1.L. Front splitters are allowed and shall be installed parallel to the ground (within ±3° fore to aft) and may extend a maximum of 6.0" (152.4 mm) from the front bodywork as viewed from above. Splitters may not extend rearward past the centerline of the front wheels. No portion of the splitter may extend beyond the widest part of the front bodywork as viewed from above. The lower surface of the splitter must be a flat plane with a deviation allowance of 0.25" over a 12" span. The edges of the splitter may be rounded to accommodate common construction materials and practices. The radius area may extend backwards no more than 1". Aerodynamically functional vertical members (features including but not limited to splitter fences, or—endplates), diffusers or ducting are not allowed. Vertical air dams at the interface of the splitter to the bodywork are permitted. Splitter mounting hardware and sacrificial materials for wear protection are allowed but may serve no other purpose.

(SCCA Fastrack News, Jul 2022, Nov 2022, #27338)

Prepared Category

ITEM 20) Appendix A Corrections

Reclassify the XR4Ti from CP to FP, as shown:

Appendix A:

CP:

Merkur

XR4Ti (1985-88)

FP:

Merkur

XR4Ti (1985-88)

(SCCA Fastrack News, Jan 2022, Mar 2022, #31211)

ITEM 21) Section 17.B

Change Section 17 as follows

"17.2.D. Replacement of any chassis component (e.g., subframe) in its entirety by one of alternate construction, unless specifically permitted, shall result in the vehicle being "in excess" of these rules which will invoke Section 17.11 weight adjustments. in Appendix A, shall result in the vehicle being "in excess" of these rules which will invoke Section 17.11 weight adjustments.

17.11.A. Vehicles competing in C Prepared (CP) class, should refer to section 17.11.B. Vehicles prepared in excess of Solo® allowances and prepared up to either the current Club Racing GT or Production Category rules are permitted to compete in X Prepared (XP) class. Tube-frame production cars and kit-cars specifically listed in Appendix A (i.e., Shelby Cobra) are subject to the requirements in the relevant Appendix. Tube frame versions of production vehicles (e.g., a tube-frame Mazda RX-7) are considered in excess of the rules and must comply with the requirements in this Section. Section 17.8.B.5 minimum track requirements apply. Minimum weight will be GCR minimum plus any Solo® weight adjustments (wheel size weight increases, etc.). Vehicles taking advantage of this allowance may only use the Club Racing GCR (General Competition Rules) allowances in whole. Cars which are not listed in the GCR may not use this allowance and are limited to the modifications allowed in Section 17. For those cars which have been



de-listed from the current year GCR, the appropriate specifications will be developed and added to Appendix A upon member request. An exception to the GCR will be that open cars are permitted provided they comply with all provisions of Section 17 pertaining specifically to open cars. The following items listed in the GCR, while recommended, are not required: Logbooks, annual inspections, roll cage, on-board fire systems, handheld fire extinguisher, scattershield/chain guards, master switch, steering wheel lock removal, window safety net, windshield safety clips and rear window safety straps, and braided steel brake lines. Single Inlet Restrictor (SIR) is not required. Due to the extent of modifications permitted on GT-derived cars classed within the Prepared category, it is possible for a replica car to meet the legality requirements for the corresponding original model provided that the engine, track, and wheelbase remain within the allowed specifications. In such a case, the replica is considered compliant for Prepared, provided it correctly meets all of the applicable GCR specifications.

17.11.B. C Prepared (CP) vehicles prepared in excess Solo® allowances and prepared up to either the current Road Racing GT or Production Category rules are permitted to compete in C Prepared (CP) as described in Appendix A. Tube-frame production cars and kit-cars specifically listed in Appendix A are subject to the requirements in the relevant Appendix A for CP. Tube-frame versions of production vehicles (i.e., a tube-frame Camaro), replacement subframes, and modified frame rails for tire clearance are considered in excess of the rules and must comply with the requirements in this Section Appendix A. Section 17.8.B.5 minimum track requirements apply. Minimum weight will be 110% of the Solo® minimum weight from in Appendix A. plus any Solo® weight adjustments (wheel size weight increases, etc.).

Vehicles taking advantage of this allowance may use the Solo® Rules or the Road Racing GCR (General Competition Rules) allowances in whole, in part, or in combination. Cars which are not listed in the GCR may not use this allowance and are limited to the modifications allowed in Section 17. For those cars which have been de-listed from the current year GCR, the appropriate specifications will be developed and added to Appendix A upon member request. An exception to the GCR will be that open cars are permitted provided they comply with all provisions of Section 17 pertaining specifically to open cars. The following items listed in the GCR, while recommended, are not required: Logbooks, annual inspections, roll cage, on-board fi re systems, hand-held fi re extinguisher, scattershield/chain guards, master switch, steering wheel lock removal, window safety net, windshield safety clips and GCR specifications. The 10% increase in minimum weight does apply to such cars.rear window safety straps, and braided steel brake lines. Single Inlet Restrictor (SIR) is not required. Due to the extent of modifications permitted on GT-derived cars classed within the Prepared category, it is possible for a replica car to meet the legality requirements for the corresponding original model provided that the engine, track, and wheelbase remain within the allowed specifications. In such a case, the replica is considered compliant for Prepared, provided it correctly meets all of the applicable GCR specifications. The 10% increase in minimum weight does not apply to such cars.

€ B. Weight Calculations

Where there is a percentage addition as well as a specific weight addition, the percentage is added to the base weight before the specific weight addition. Examples:

• In Prepared class X (XP), the minimum weight for an AWD car with a 2.5L turbocharged engine is:

 $2.5L \times 1.4 = 3.5L \times 250 \text{ lbs.} = 875 \text{ lbs.} + 1200 \text{ lbs.} = 2075 \text{ lbs.}$

• In Prepared class C (CP), the minimum weight for a car with a 302

ci (5.0L) engine prepared to Section 17.11 (e.g., GCR) allowances is:

 $2700 \text{ lbs.} \times 1.10 = 2970 \text{ lbs.}$

DC. Data acquisition/recording systems are permitted.

-E D. Except where there are specific requirements in these rules, any safe line for fuel, hydraulic fluids, oil, water or breather is allowed.



- **►** E. Ballast may be added to all cars as required to meet minimum weight provided it is securely mounted within the bodywork and serves no other purpose. Ballast plates may be installed beneath the floor pan so long as they do not protrude beyond its edges.
- **G** *F*. All cars may have towing eyes, hooks, or straps which do not dangerously protrude from the bodywork.
- → G. Removal of or modification to heating, ventilation, air conditioning, wiper/washer, audio, security, communication, and convenience systems is allowed provided the modification does not serve another purpose (e.g., an air conditioning compressor may not be modified to serve as a supercharger)."

Change CP in Appendix A as follows:

"C Prepared (CP)

Unless otherwise listed, the minimum weights will be determined from the following tables according to engine type and displacement. Minimum weight is based on actual engine displacement. The block may be bored and/or sleeved to achieve allowed displacement.

Engine Coolant flow direction is unrestricted.

US-produced 4-cyl, 6-cyl, and 8-cyl engines are allowed alternate-stroke crankshafts; crank angles must remain standard.

Naturally aspirated cars using US-market 6-cyl and 8-cyl engines manufactured by a particular corporation may use any naturally aspirated 6-cyl or 8-cyl engine offered in a US-market vehicle by that corporation's brands as listed below:

Alternate material (e.g., aluminum) engine blocks may be used on US produced 8-cyl engines. Any alternate engine block shall meet all other requirements of Section 17.

Forced induction cars may not substitute the engine for any other nor may forced induction engines be swapped into cars that the combination was not offered.

Engine displacement changes are allowed.

Alternate iron or aluminum cylinder heads may be used on US-produced 4-cyl, 6-cyl, and 8-cyl engines. Any alternate cylinder head(s) shall be of of the same configuration (number of valves per cylinder and valve actuation method - e.g., OHV or OHC) as the original and shall be direct replacement type.

The floor in the driver/passenger compartment may be replaced but must maintain the basic shape and position of the original floor (i.e., flat and horizontal, relative to the car and rocker panels). It may not be curved, angled, recessed, or channeled between the rockers and may be made of steel and/or aluminum only. Replacement floors may be modified per Section 17.2.E.

The firewall between the engine compartment and driver/passenger compartment may be replaced but must be in approximately the same location as the original and must create a sealed bulkhead between engine and driver/passenger. Replacement firewalls may be made of steel and/or aluminum only and may be modified per Section 17.2.F.

An alternate hood is allowed which has a bulge no more than 4" (10.16 cm), measured off of the original base model hood, for induction clearance. The bulge may open to the front, to the rear, or to either or both sides. If the original base model hood has a 2" (50.8 mm) bulge, then an addition of 2" (50.8 mm) is allowed, if the base model has a 3" (76.2 mm) bulge, then 1" (25.4 mm) is allowed, etc.

Tube Frame replacement vehicles have all the allowances listing in Section 17 and Appendix A that is applicable to C Prepared. Tube frame vehicles must adhere to the following:

Shall place 1st spark plug hole of engine no further rearward than the centerline of front axle. Applies to all engine types.

Shall have a roll cage meeting Appendix C.H of the Solo Rulebook.

May modify internal body panels to facilitate the mounting of bodywork and fitting of roll cage.

May not modify any parts beyond what is allowed in Section 17 and Appendix A that is applicable to CP. All body panels shall be of appropriate scale and not confuse the model of vehicle.

The following weights apply unless a specific weight is indicated with the model listing.

Minimum weight without driver (lbs.):

V8 engines greater than 5100 cc	3000
V8 engines equal to or less than 5100 cc	2700
6-cyl engines, maximum 4500 cc	 2450
Turbocharged 6-cyl engines, maximum 4500 cc	 2550
4-cyl engines (all)	 2450
4 and 6 cyl engines (all)	2600
Tube Frame greater than 5100cc	3300
Tube Frame equal to or less than 5100cc (all engine configurations)	3000
Tube Frame Replacement Corvair and Yenko Stinger (original engine type)	2035lbs
Bolt-in Replacement Subframe	+150 per Subframe
Bolt-in Replacement Front Engine Cradle (commonly called K-Member)	+75

Maximum weight on the rear axle of the car shall be 51% of the total weight of the car. EXCEPTIONS: Corvair, Yenko Stinger.

Wheels may be replaced with a wheel having any diameter and any width without weight adjustments."

Note: this proposal has been updated per member feedback online and at the Lincoln SEB Town Hall.

(SCCA Fastrack News, Mar 2022, Sep 2022, Dec 2022, #31128)

ITEM 22) 914-6 in FP

Change 17.10.R and Appendix A as follows:

17.10.R:

- "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:

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In class F Prepared (FP):
   "Mazda
     RX-4 <del>(12A or 13B)</del> (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
      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
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Alternate cylinder heads: twin spark plug"

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

Note: The PAC is recommending 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.

(SCCA Fastrack News, Mar 2022, Jun 2022, #31252)

Modified Category

ITEM 23) Oil injection vs. oil pre-mix

Add the following new subsection A.12 in Appendix A - Modified class F (FM):

"12. Pre-mix fuel is allowed along with disconnecting the oil pump actuating arm from the throttle assembly. Oil pump must remain installed and operating but injection lever may be fixed in position."

(SCCA Fastrack News, Dec 2021, Apr 2022, #30883)

ITEM 24) New engine added to GCR listing for FMod

Change the following in Appendix A:

Modified class F (FM)

A.4:

"4. Minimum weights with driver (lbs.):

Kawasaki engine	725
AMW engine	800
Rotax 493 & 494 engine	800
Rotax 593 engine	850
600 cc motorcycle engine	875
Rotax 593-H.O	900
Wheelbase of 73" or less with 440 engine	Deduct 25"

A.6:

"6. Competitors utilizing the Rotax 493/593 engine may leave the manufacturer's specified intake balance tubes in place or, at their option completely remove the tubes and make the alterations required to plug the remaining holes. No unnecessary alterations are permitted if the competitor chooses to remove the tubes. The Rotax 493/593 engine is limited to a Y-pipe exhaust manifold and single expansion chamber as are the Rotax 494 and AMW engines."

A.7:

"7. F5 cars may utilize the Rotax 593-non H.O. engine (1999 and up; bore: 76 mm, stroke: 65.8 mm) or 593-H.O. (2003-2007; bore:72mm, stroke: 73mm) using 38 mm Mikuni round slide carburetors as an alternate 2-cyclinder, 2-cycle, liquid-cooled engine in FM. Such engines must use inlet tract restrictors (Cometic gasket MA0242SP1020A or MA0242SP1063A), one in each tract immediately after the carburetor. Use of the 2003 and up "HO," "SDI," "RS," and "E-TEC" 593 variants is not permitted."

Note: these changes are as a result of the GCR changes regarding the F5 class.

(SCCA Fastrack News, Jan 2022, May 2022, #30817)



ITEM 25) DM turbo engine inlet restriction

Change 18.1.D.6 as follows:

18.1.D.6:

"Supercharging and turbocharging are permitted for all engines subject to the displacement factor of 18.B. In DM, such induction systems must have a restrictor on the inlet side of the turbo/supercharger. All inducted air must pass through this restrictor which must be constructed of metallic material. The minimum orifice (choke) of the restrictor shall be no greater than 33 mm (1.3"). The restrictor passage may be shaped fore and aft of the choke region. The restrictor choke region must be made of one piece without moving parts. Inlet restrictor must be mounted within 18" of turbo inlet. Tubing between the restrictor and turbo/supercharger inlet must be rigid and made from non expanding parts. The tubing inside diameter may not exceed 3" at any point. Flexible couplers may be used for connections."

(SCCA Fastrack News, May 2022, Sep 2022, #30269)