

CLUB RACING BOARD

DATE: March 20, 2018

NUMBER: TB 18-04

FROM: Club Racing Board

TO: Competitors, Stewards, and Scrutineers

SUBJECT: Errors and Omissions, Competition Adjustments, Clarifications, and Classifications

All changes are effective 3/31/2018 unless otherwise noted.

NOTE: This preliminary version of the Road Racing Technical Bulletin is provided at this time as a service to the membership. These items may be corrected and will not be official until published on the Fastrack page of the scca.com website on or about March 20.

American Sedan

AS

1. #23658 (American Sedan Committee) 2018 BOP Adjustments

In AS, Ford Mustang Incl. Cobra and Cobra R (79-93), change the weight as follows:

~~3150~~ **3250**

Over 313 CID ~~3450~~ **3550**

In AS, Ford Mustang GT (05-14), change the weight as follows:

~~3250~~ **3350**

Over 313 CID ~~3550~~ **3650**

B-Spec

None.

Formula/Sports Racing

ASR

1. #23977 (Formula/Sports Racing Committee) Correct ASR Errors and Omissions

In GCR Section 9.1.8.B.c, make changes as follows:

"ASR cars registered prior to January 1, 2003 which meet the provisions of 9.1.8.A.1.B.n. These cars may be updated to Section A. B.b-m specifications but they then shall meet all requirements of Section A.1.b B.a without exception, including homologation."

F5

1. #23904 (H. Cory McLeod) Request to clarify

In F5, GCR section 9.1.1.D.9.d, add a sentence to the end of the bodywork section:

"This rule is not intended to limit the size of lateral protrusions in front of the sidepod or in the front wheel well area between the tire and chassis."

FA

1. #24070 (Aaron Hill) Request Formula Renault Engine rule change

In FA, Table 2, Ex-Fran-Am 2000 spec line, change the notes as follows:

"Must have roll bar meeting the requirements of GCR 9.4. ~~Must use Formula Renault or Fran-Am engine seals on the cam cover, oil pan and crankshaft pulley bolt as applied by an approved engine builder.~~ **ECU must remain sealed and mapping unchanged.** An SIR will be required at a time to be determined by the ~~CRB.~~ **The CRB may require the use of an SIR at any time.**"

FB

1. #24023 (Formula/Sports Racing Committee) Clarify engine and restrictor rules

In FB, GCR Section 9.1.1.G.4, add a new section as follows:

"K. Competitors wishing to use engines newer than 2014 model year must supply dynamometer data to the CRB to be approved for use."

In GCR Section 9.1.1.G.5., make changes as follows:

~~"Flat plate Individual Inlet Restrictors (IIRs) (FPIR) shall be used on all engines as indicated in Formula B Restrictor Table below. The CRB may require the use of Flat Plate Intake Restrictors at any time. If required, the restrictors shall conform to the definition within Appendix F of the GCR. and All restrictors shall be installed within 4 inches of the primary throttle shaft on the upper inlet side of the throttle body."~~

In FB, remove the Formula B Restrictor Table in its entirety and delete the following sentences:

~~"-Proposed changes to the specified restrictor sizes must be accompanied by engine dynamometer data."~~

~~"-Competitor wishing to use any engines newer than 2014 model year must supply dynamometer data to the CRB to be approved for use."~~

P1

1. #21855 (SCCA Staff) P1/P2 Spec Line Restrictor Size Clarification

In P1, GCR Section 9.1.8.C.J.9, clarify as follows:

~~"On motorcycle 4-cycle engines equipped with individual throttle bodies, individual flat plate intake Restrictors must be installed before the throttle body, within 4 inches of the primary butterfly throttle shaft; or centerline on the intake side of the individual throttle body's primary butterfly. Restrictors may be mounted in any manner that does not reduce the intended effectiveness."~~

2. #23975 (Formula/Sports Racing Committee) Correct P1 Errors and Omissions

In GCR Section 9.1.8.C.J., make the following changes:

~~"For cars listed in spec lines, specifications that are more restrictive in those sections take precedence over the general specifications in section A.2.a C.J."~~

3. #23996 (Formula/Sports Racing Committee) Adjust minimum weights in Engine Table Line E

In P1, the minimum weights for motorcycle-based engines up to 1455cc are being adjusted based on existing car weights and current dynamometer data to bring the specifications in line with the SCCA Power Factor.

In P1, Engine Table, Line E, change the weight as follows:

~~1075~~ 1100

In P1, change the notes as follows:

~~"May run without inlet restrictor at 1175~~ 1150 lbs. min. weight."

4. #23998 (Formula/Sports Racing Committee) Adjust minimum weights in Engine Table Line I

In P1, the minimum weights for engines up to 2500cc are being adjusted based on existing car weights and current dynamometer data to bring the specifications in line with the SCCA Power Factor.

In P1 Engine Table, Line I, make changes as follows:

Weight: ~~1450~~ 1475

Notes: "Up to 2300cc may run at ~~1425~~ 1445 lbs. min. weight"

5. #24004 (Formula/Sports Racing Committee) Add DP02 sealed MZR 2.0L to restricted 2.0L Engine Table Line H

In P1 Engine Table, Line H, add/change as follows:

H	<i>Restricted 2.0L Group CN-spec Honda K20A</i>	2000	4	Stock <i>Honda</i> 64mm single throttle body	1400	<i>Honda K20A: No engine modifications except for dry sump oil system, ECU mapping, and exhaust system. Internal dimensions and materials must be stock with no machining allowed.</i>
	<i>Restricted 2.0L Elan DP02-spec Mazda MZR</i>			<i>Elan Power Products DP02-60-013 manifold assembly with 47.6mm tracts. No modifications.</i>		<i>Mazda MZR 2.0L: Must have four (4) numbered seals in place on cam cover, oil pan, front cover, and crank angle sensor as installed by Elan Power Products or Elite Engines. No engine modifications permitted.</i>

In P1 Table 1 (Spec Line Cars), delete Spec Line A and remove Table 1 in its entirety.

Remove GCR Section 9.1.8.I Elan Van Diemen DP02 Sports Racer Classed in P1 in its entirety.

P2

1. #23976 (Formula/Sports Racing Committee) Correct P2 Errors and Omissions

In P2 Engine Table, Line F, make changes to the notes as follows:

"Engine must conform to the specifications *in 9.1.8.EG*"

2. #24024 (Formula/Sports Racing Committee) Correct March 2018 TB error and clarify rub block requirements

In P2, GCR Section 9.1.8.D.E., make changes as follows:

"A maximum of ~~four~~ *eight* (8) rub blocks of maximum dimension 75mm *width* by 125mm *length* are allowed anywhere on the lower surface of the chassis and may extend below the reference plane."

3. #21855 (SCCA Staff) P1/P2 Spec Line Restrictor Size Clarification

In P2, GCR Section 9.1.8.D.L.h.3, clarify as follows:

~~"All 4 and 2 cycle restrictors are individual flat plate intake restrictors. On automotive 4-cycle engines equipped with individual throttle bodies, individual flat plate intake restrictors it must be installed within 7 4 inches of the primary butterfly throttle shaft or centerline and may be on the intake either side of the throttle shaft individual throttle body's primary butterfly. On motorcycle 4-cycle engines equipped with a single throttle body, in a single flat plate intake restrictor must be installed within 4 inches of the throttle shaft on the intake side between the single throttle body and the intake manifold. Restrictors may be mounted in any manner that does not reduce the intended effectiveness."~~

GCR

None.

Grand Touring

GT2

1. #23178 (Robert Lentz) Transparency and Specificity of Non-Traditional GT2 Car Rules

In GT2, GCR section 9.3.28.D, Identification Markings, add the following:

"GT2 cars must show displacement, weight, restrictor size and rule set."

GT3

1. #24008 (Grand Touring Committee) Corrections to letter 23291

In GT3, correct the spec line weight for engines as follows:

1.8l motors (1750cc - 1849cc) to ~~1960~~ **1860** lbs.

13B Street Port to ~~2090~~ **2080** lbs.

GTL

1. #23910 (Inness Eisele) Request to Classify 1990-91 BMW 318i & 318iS in GTL

In GTL, classify 1990-1991 BMW 318i/318iS as follows:

GTL Cars - BMW					
Model	Years	Body Style	Drive-line	Wheel-base (in)	Notes
<i>318i/318iS</i>	<i>1990-1991</i>	<i>2dr</i>	<i>RWD</i>	<i>101.1</i>	

Engines - BMW								
Engine Family	Engine Type	Bore x Stroke (mm)	Disp. (CC)	Head Type	Valves / Cyl.	Fuel Induction	Weight (lbs)	Notes
<i>M42B18</i>	<i>DOHC</i>	<i>84.0 x 81.0</i>	<i>1796</i>	<i>Alum, Crossflow</i>	<i>4</i>	<i>22.5mm SIR</i>	<i>2050</i>	

Improved Touring

IT

1. #23916 (Darren Murdock) Request for rule cleanup and clarification

In IT, GCR section 9.1.3.D.6.d, omit the sentences as follows:

~~"Cars with antilock braking systems must completely disable or remove the operational components of the system. It is permissible to disable ABS system function by removing or disconnecting a minimum of three wheel speed sensors. Components that perform no other function than to assist in the activation of the ABS portion of the brake system may be removed."~~

In GCR section 9.1.3.D.9.f, add the language as follows:

"Front door windows *and their operating mechanisms* may be removed."

Production

FP

1. #23922 (Inness Eisele) Request correction to track width for 90-91 BMW 318i/is spec

In FP, BMW 318i/is (1991), modify track measurements as follows:

~~1499/1506~~ (59.5/59.9)

2. #24010 (Blake Meredith) Request to correct track of the 88-91 Civic/CRX 1.5

In FP, Honda CRX 1.5 (88-91) correct the track as follows:

~~61.4/61.7~~ (61.3/61.5)

1. #24042 (Jason Isley) Request to update Yaris year listing

In HP, Toyota Yaris (12-15) expand the model year as follows:

~~(12-15~~ 18)

Spec Miata

None.

Super Touring

ST

1. #23920 (Eric Heinrich) Request removal of turn signals

In ST, GCR section 9.1.4.K.2, add the language as follows:

"Standard headlights, headlight operating ancillaries, *turn signals*, and parking light assemblies may be removed and replaced with a plate of identical shape and size of the lens. Standard headlight assemblies may be replaced with aftermarket units of equal dimension. Vehicles with pop-up and/or hidden headlights may modify and/or remove the headlight assemblies as long as the headlight cover and any other external hardware are properly secured in the stock closed location."

STL

1. #23469 (darrel stein) Help the RX7 13B

In STL, GCR section 9.1.4.2.B.2, make the following change:

"Manifold and cylinder head port matching on ~~piston~~ engines is permitted. No material may be removed further than one (1) inch in from the manifold to cylinder head mounting faces. Carburetor mounting surfaces shall not be modified. External dimensions of the cylinder head or intake manifold may not be

reduced to facilitate internal porting. Two-piece manifolds must not be port matched at their intermediate point. Valve guide material is unrestricted."

Touring

T1

1. #21454 (Colin COHEN) Classify Audi TT-RS

In T1, Audi TTRS (GTS-spec) (2013-), classify as follows:

T1	Bore x Stroke/Displ. (cc)	Wheel-base (mm)	Max Wheel Size (inch)	Tire Size	Gear Ratios	Final Drive	Brakes (mm)	Weight (lbs)	Notes
<i>Audi TTRS (GTS-spec) (2013-)</i>	<i>82.5 x 92.8 2500cc</i>	<i>2468mm</i>	<i>18 x 9.5</i>	<i>275mm</i>	<i>3.571, 2.158, 1.895, 1.429, 1.156, 0.971</i>	<i>.408</i>	<i>355</i>	<i>3350</i>	<i>Must conform to December 14th, 2011 revision 3 GTS rules</i>

2. #23184 (Scotty B White) T1 (09-10) Viper

In T1-LP, Viper SRT 03-06, change the notes as follows:

"Throttle restrictor between each throttle body and plenum is mandatory: .060" flat steel plate with one ~~52mm~~ **60mm** hole (one for each throttle body)."

3. #23216 (Sean Reilly) Update S2000 Supercharger Guidelines

In T1, Honda S2000, add to the engine notes as follows:

"Novi 1200 Supercharger permitted with a 5.45" crank pulley and 3.8" blower pulley."

4. #23876 (Brad McCall) Request Porsche Cayman 3.8 Liter weight reduction

In T1, Porsche Cayman (05-13), change the weight as follows:

~~2900~~ **2850**

5. #23926 (Chris Edens) Request Additional Brake Ducting

In T1, GCR section 9.1.9.1.O, add the following to the brake section:

"17. Any brake ducts are permitted, but they must serve no other purpose. Fender liners maybe modified solely for routing and attachment of brake ducts. Duct intake openings may be created by the opening of 2 sections up to 14.5 square inches each in the front fascia. The stock headlamp location is not permitted for brake ducting. Two alternative duct openings may be created by the removal of the fog lights or 2 sections up to 14.5 square inches each of stock false grills originally located in the front fascia."

6. #24012 (Touring Committee) Add to letter 23595
 In T1, BMW M3 E92 (08-13), classify as follows:

T1	Maximum Displ.	Min. Weight	Restrictor	Engine Notes	Chassis Notes
<i>BMW M3 E92 (08-13)</i>	<i>3999</i>	<i>3150</i>		<i>Must use unmodified: OEM intake, OEM airbox and OEM plenum manifold</i>	<i>Factory DCT transmission permitted</i>

T2

1. #23584 (Kurt Rezzetano) Request six piston caliper 2015-current mustang gt

In T2, Ford Mustang GT 5.0L (2015-), change the notes as follows:

"Ford Performance Handling Kit part #M-FR3A-M8, Sway Bars in M-FR3A-M8 kit part #M-5490-E, Rear Toe Bearing part #M-5A460-M, Ford Performance Radiator part #M-8005-M8, Strut Tower Brace part# M-20201-M, Camber Bolts M-3B236-A, Solid Differential Bushings part#M-4425-M, Short Shift Kit part #M- 7210-M8, Solid Sub frame Bushings part #M- 5872-M, Dampers in Handling Pack part #M-18000-F, *Ford OEM Performance Package Brembo front BBK and 380mm rotors permitted (Ford PN M-2300-V) at + 100lbs 50lbs..* 53mm flat plate restrictor required. 2014 Mustang GT exhaust manifolds permitted. Springs up to 800#/in front and rear permitted. Alternate metallic driveshaft permitted. Rear spring relocation to shock permitted with kit TBD. Ford Racing oil pan #M-6675-M50BR permitted."

2. #23655 (Ken Billimack) Request to adjust T2 997 tire size

In T2, Porsche 911 /Carrera S 997.2 (09-12), correct the tire size as follows:

~~215~~ *255* (F)

~~255~~ *315* (R)

3. #23842 (Ryan Upham) Request to run BMW replica intake

In T2, BMW M3 01-06, add the intake to the notes as follows:

"Evolve Tuning intake EVXE46M3CFAB permitted."

4. #23943 (Scotty B White) Auto trans for EcoBoost Mustang in T2

In T2, Ford Mustang EcoBoost 2.3 (2015-), add the gear ratio as follows:

4.17, 2.34, 1.52, 1.14, 0.87, 0.69

In T2, Ford Mustang EcoBoost 2.3 (2015-), add to the final drive as follows:

3.55 w/auto

In T2, Ford Mustang EcoBoost 2.3 (2015-), add to the notes as follows:

"Optional: 6 speed automatic transmission (with paddle shifters)."

5. #23989 (Hans Peter) Request BoP for the BMW M235iR

In T2, BMW M235iR (-2016), omit the restrictor as follows:

~~39mm TIR~~ required

In T2, BMW M235iR (-2016), change the weight as follows:

3475 *3400*

6. #23994 (Van Hunter) Request an Aviad Dry Sump for 2010 Camaro Effective 01/01/2019, In T1, Chevrolet Camaro SS/1LE (10-14), add to the notes as follows:
"Aviad Dry Sump #001-13110 allowed."

T2-T4

1. #23887 (Roger Eagleton) Request to review and correct GCR - Appendix M In SMG, Appendix M, 2.h., make changes as follows:

1. The Cortex Racing Spec Mustang Xtreme-Grip Suspension Kit PN ~~CSS-40-1000SPEC~~ *CSS-40-1000-SMG (for KONI) or CSS-40-1000-JRI-SMG (for JRI)* is required. Suspension modifications are limited to this kit as specified below. Any replacement of items in this kit must be the current component part number from this kit.

2. Either: Koni Struts and Rear Coilover Shock with Springs Kit comprised of single adjustable, Koni struts and Koni rear coilover dampers with matching springs. Strut system part number: ~~CFS-40-1000SPEC~~ *CSS-40-1000-JRI-SMG* *CFS-40-1000-SMG (for KONI) or CFS-40-1000-JRI-SMG (for JRI)*, rear shock system PN: ~~SHK-40-1000SPEC~~ *SHK-40-1000-JRI-SMG*.

9. Cortex Watts Link package, PN ~~CWL-40-1000SPEC~~ *SMG* *CWL-40-2000-SMG*

~~12- 11~~ Cortex Racing Adjustable length anti-roll bar end links for corner balance adjustment, PN ARB-40-1002. (Included with ~~CSS-40-1000SPEC~~ *JRI-SMG* *both CSS-40-1000-SMG and CSS-40-1000-JRI-SMG*)

~~13- 12~~ Cortex Racing bump steer adjustment kit, PN CBS-40-1000 (Included with ~~CSS-40-1000SPEC~~ *JRI-SMG*)

~~13- 12.a~~ Cortex Racing bump steer adjustment kit, PN CBS-40-1000 (Included with ~~CSS-40-1000SPEC~~ *JRI-SMG* *both CSS-40-1000-SMG and CSS-40-1000-JRI-SMG*)

2. #24009 (Philip Royle) Clarify T2-T4 ballast rule

In T2-T4, GCR section 9.1.9.2.E.2.a, make ballast changes as follows:

"Automobiles may carry ballast to achieve their specification's minimum weight. Refer to GCR section 9.3 Ballast.

1. Each segment shall be fastened with a minimum of two (2) one-half (1/2) inch bolts and positive lock nuts of SAE Grade 5/Metric 8.8 or better, and shall utilize large-diameter, load distributing washers.

2. Holes may be drilled in the passenger footwell floorpan for purposes of mounting the ballast(only), and said floorpan may be reinforced as required for the same purpose."

3. #24064 (Lansing Stout) VIN requirement for touring

In GCR section 9.1.9.2, Touring (T2-T4), omit the following:

"A model is defined as a unique car configuration which can be identified by means of decoding the Vehicle Identification Number."

T3

1. #24052 (Lansing Stout) Request T3 Nissan 350Z sway bar allowances

In T3, Nissan 350Z Track/ Touring/Standard/Nismo (03-08), change the notes as follows:

"The following are allowed: Track option Aero package, Rear diff cover Nismopart #99996-35TDK or, alternatively parts #383510C021, OEM Breather 38356-EV00A, OEM Stud 38354-0C00A, Nissan Mtspts. Nissan heavy duty spring kit part #99996-65Z3OUS, ~~Nismo sway bar kit #99996-RS23OUS~~ *Front sway bar max 37mm. Rear sway bar max 25mm.* SPC Control Arms 72125 allowed. Springs up to 700 lbs./in. allowed front and rear."

In T3, Nissan 350Z Track/ Touring/Standard/Nismo (03-08) Spec Z, change the notes as follows:

"Nissan Motorsports: Shock Front left P/N E6110-SZ350 & Front right E6111-SZ350 & rear E6210-SZ350, Springs front P/N 54010-SZ350 & rear 55020-SZ350, F&R 5600S-SZ350, ~~Front roll bar #54611-SZ350, Rear roll bar #562300-SZ350,~~ *Front sway bar max 37mm. Rear sway bar max 25mm.* Bushings P/N (54541, 54560, 55045, 55148, 55149, 55152, 55153, 55158, 56218) - RRZ30 allowed. Nismo flywheel permitted. SPC Control Arms 72125 allowed."

2. #24056 (Ryan Kowalewski) Request the removal Ballast Box for the Global MX-5

In T3, Mazda MX-5 Global Cup Miata (2016), add to the notes as follows:

"Ballast box may be removed."

T4

1. #23465 (Julian Macias) 2014-2015 Honda Civic Si Touring 4 Spec Line Corrections and Perf

In T4, Honda Civic Si (14-15), add to the notes as follows:

"Camber plates permitted. Original wheels up to 18" maximum permitted."

2. #23563 (Dan Wiegandt) Request for Suspension Camber Adjustments

Effective 01/01/2019, In T4, to obtain 3 degrees of negative camber, add to the notes as follows:

Acura (02-06) – "SPC Rear Upper Arm - P/N 67230 permitted."

Honda Civic (06-11) – "SPC Adjustable Control Arm - P/N 67466 permitted."

Honda Civic (12-13) – "SPC Adjustable Control Arm - P/N 67466 permitted."

Honda Civic (14-15) – "SPC Rear Adjustable Control Arm – P/N 67467 permitted."

3. #23841 (david mead) Request to classify the Abarth model to Fiat 124 spec line

In T4, Fiat 124, add model as follows:

Fiat 124/*Abarth Edition*

4. #24002 (Richard Grunenwald) Request Clarification/Possible Error 2005 - 2010 Ford Mustang V6

In T4, Ford Mustang V6 (05-10), correct the wheel size as follows:

F: ~~16 x 7~~ *17 x 7*

R: ~~17 x 8~~ *17 x 7*

In T4, Ford Mustang V6 (05-10), change the notes as follows:

"ABS (option code 552) allowed. FR3 Handling Pack # M-2007-FR3V6 allowed. *Kit does not need to be run in its entirety.* The kit includes: Dampers M-18000-A, Lowering Springs M-5300-N, Sway Bars M-5490-C, Strut Tower Brace M-20201-F."