



CAMARO-MUSTANG CHALLENGE™

r a c i n g s e r i e s

Camaro-Mustang Challenge Racing Series **2011 v2 to 2012 V1 Rules Change Delta**

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ALWAYS REFER TO THE OFFICIAL RULES

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*2010 CMC2 National Champion¹
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Camaro-Mustang Challenge Racing Series

2011⁵2012⁶ EDITION

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Camaro Mustang Challenge

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Official Rules Rules Subject To Change

~~2011 Rules and Classifications~~⁹

1. INTRODUCTION

~~Camaro Mustang Challenge is a racing series with two classes: CMC1 and CMC2.~~¹⁰ The following rules are not guidelines for this series but an actual listing of allowed and required modifications. ~~All of these rules apply to both CMC1 and CMC2 cars unless otherwise stated.~~¹¹ The only legal modifications are those specifically allowed by applicable rules. If not specifically allowed, any modifications are prohibited. Some equipment may be required to support the sponsors who have contributed to the year end points fund.

2. INTENT

The intent of the *Camaro Mustang Challenge* (CMC) racing series is to provide *National Auto Sport Association* (NASA) members a racing series featuring production ~~V8~~¹² American¹³ pony cars. Modifications will be limited to those necessary to promote safety, close competition, and flexibility to enable drivers to learn and experiment with the principles of race car setup within boundaries intended to limit expenses, thereby providing the drivers with fun, exciting, and challenging yet approachable racing.

Good sportsmanship is valued more than finishing position. This means clean, well-executed passing is a trademark of the series. Punting another competitor, or leaning on them to gain a position will not be tolerated. Car to car contact including bump drafting can result in an investigation and possible sanctions.

3. GOVERNANCE and PROCEDURES

3.1 Selection

To support and promote the intent of CMC a formal CMC Board of Directors will be selected. The Board shall consist of a ~~Chief~~¹⁴ National¹⁵ Director and other directors to cover the various NASA regions. If for any reason a director resigns their position, the ~~Chief~~¹⁶ National¹⁷ Director shall appoint a replacement director. If for any reason the ~~Chief~~¹⁸ National¹⁹ Director resigns the full board shall select a replacement ~~Chief~~²⁰ National²¹ Director.

3.2 Procedures/Goals

The CMC Series is supported and sanctioned by the National Auto Sport Association (NASA). All race events will be governed by the rules set forth by the CMC Directors and NASA officials. All competitors agree to also abide by the rules set forth in NASA's current Club Codes and Regulations (NASA CCR), these rules, and any supplemental rules issued by the CMC Directors. The CMC Directors have nationwide authority, over all regions, and all matters pertaining to CMC. The ~~Chief~~²² National²³ Director is given the main guiding control and final decision making power for CMC. The NASA Executive Director will maintain oversight of the series as required by the NASA CCR.

The CMC Directors may appoint one or more Regional Coordinators to manage day to day CMC activities in the different NASA regions. Day to day CMC activities include determining event procedures as necessary, enforcing CMC rules, and forming Incident Review Boards to assist in determining infractions and driver penalties.

All requests for clarifications or interpretations of rules shall be made via email to a Director. The Directors will return official clarifications to the competitor via email. Rules clarifications will be used as the basis for re-writing rules as necessary.

The Directors and Coordinators, collectively called CMC Officials, shall make all efforts to be available to help answer questions and make new CMC competitors feel welcome to the series. The CMC Officials' goals are to keep CMC weekends and the series as a whole running smoothly, fulfilling the intent of the series.

3.3 Driver's Infractions

The NASA CCR sections 25-27 regarding on course conduct will be followed with the following exceptions. All on course contact requires each competitor to fill out a body contact report form and submit it to the Race Director. The Race Director or the CMC Officials at an event will form an Incident Review Board, which may consist of CMC Directors, Coordinators, competitors, and NASA Officials. The IRB will review the incident, determine fault if any, and communicate this to the CMC Officials at the event, who will in turn work with the Race Director to determine penalties based on the severity of the on course infraction. Penalties will be based on the list in the NASA CCR section 27.

3.4 Appeals

Any CMC competitor may appeal any decision of a CMC Official regarding technical issues and rules enforcement to the full CMC Board of Directors. Competitors must notify the CMC Officials at the event of their intent to appeal within 30 minutes of receiving the decision they wish to appeal. Appeals must then be submitted to the CMC Directors via email within 3 days of the event. The [Chief](#)²⁴ [National](#)²⁵ Director shall inform the competitor of the Board of Director's decision. The competitor may appeal this decision at the executive level using the process set forth in NASA CCR section 17.5.

If the situation must be resolved during an event weekend, all CMC Officials attending that weekend shall meet to decide on the merits of the appeal. The CMC Officials will then vote to support or overturn the decision. This decision may still be appealed to the CMC Board of Directors, via email within 3 days of the last day of the event.

Decisions of other NASA officials relating to on-course conduct or technical rulings may be appealed using the process set forth in NASA CCR section 17.5.

3.5 Non-compliance/Cheating

Cheating and non-compliance will not be welcome and will receive harsh penalties. Non-compliance, defined as unintentional violation of CMC or NASA technical specifications will result in a disqualification. Cheating, defined as intentional violation of CMC or NASA technical specifications will result in multiple race disqualifications. The CMC Officials may decrease or increase penalties up to permanent ejection from the series for non-compliance or cheating based on the severity and recurrence of offenses.

3.6 Non-conforming Equipment

Any equipment that does not conform to the rules must have prior written approval by the CMC Board of Directors which must be kept with the [vehicle](#)²⁶ [car](#)²⁷'s logbook at all times. For consideration, approval must be made, in writing, 30 days prior to the date of competition. It is the intention of this class not to allow any modifications that would increase the cost of competition.

3.7 New Drivers/New Model Cars

The CMC [Chief](#)²⁸ [National](#)²⁹ Director may allow a new competitor or competitor in a new model car to enter as a "Fun Run" with a car not in complete compliance with CMC Rules. Competitors with non-compliant cars may not collect points.

3.8 Weighing procedures

All weight measurements must be done with CMC approved weight scales or with specific approval from a series official.

3.9 Dynamometer Certification

All participants who wish to compile season points must have a dynamometer certification report prior to the start of the race or make arrangements to have a dyno test performed immediately after the race. The dynamometer certification report will consist of two parts: a completed CMC Dyno Spec Sheet and Dyno Sheet Readout Graphs. These forms must be kept with the ~~vehicle~~³⁰ ~~car~~³¹'s logbook and be ready to present to any official. The CMC Dyno Spec Sheet includes instructions for performing the official dynamometer inspection, which must be followed in order for the dyno report to be valid. ~~The Dyno Spec Sheet is available on the CMC website~~³².

3.10 Inspection and Testing

NASA tech inspectors and CMC Officials have the right to inspect anything in sight at any time the ~~vehicle~~³³ ~~car~~³⁴ is at the track. NASA tech inspectors and CMC Officials have the right to request disassembly or any other procedure required to verify ~~vehicle~~³⁵ ~~car~~³⁶ compliance with these rules including a dynamometer re-certification. ~~The~~³⁷ CMC ~~Official~~³⁸ ~~Officials~~³⁹ may require that a CMC Official or designee be present for any dynamometer re-certification.

3.11 Tolerances

Unless otherwise specified, all published measurements infer a tolerance of + / - one-half of the last specified decimal place. All rounding will be done to the nearest decimal place that is specified in these rules. In a case where a measurement falls exactly on the halfway mark it shall be rounded up or down in favor of the competitor.

3.11.1 Fuel Pressure Tolerance shall be +/- 2psi for EFI cars. Carbureted cars are not subject to a fuel pressure tolerance.

3.11.2 Timing tolerance shall be +/- 1 degree.

3.12 Proof of Legality

It is the responsibility of the competitor to provide proof of legality of their ~~vehicle~~⁴⁰ ~~car~~⁴¹'s modifications or components to CMC Officials.

4. SAFETY

4.1 Safety Requirements

All cars and drivers must conform to NASA's *Club Codes and Regulations* (CCR).

4.2 Class Safety

The Event Director or any CMC Official may exclude any car for any item that is deemed to be unsafe.

4.3 Steering Wheel Lock

The steering wheel lock must be removed or defeated.

4.4 Air Bags

Air bags must be disabled while under competition conditions. The air bag does not⁴² need ~~not~~⁴³ to⁴⁴ be removed.

4.5 Sunroofs/Moonroofs

Sunroofs/moonroofs (glass) must be removed and replaced with a sheet metal piece securely covering the opening. A metal sunroof/moonroof may be retained.

4.6 Drive Shaft/Torque Arm Safety Loops

All cars must use a suitable drive shaft safety loop to contain the front/transmission end of the drive shaft and torque arm if applicable in the event of a universal joint or torque arm mount failure. Some cars have OEM chassis bracing that meets this requirement. The installation of additional safety loops to contain the rear/differential end of the drive shaft and/or torque arm is not required but is allowed and recommended.

4.7 Scattershield

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The installation of a scattershield or explosion-proof bell housing is not required but is allowed and recommended.

4.8 Master Switch

An electrical master switch is required. The installation of the electrical master switch must meet the requirements listed in section 15.8 of the CCR.

4.9 Fuel Safety Cell

The installation of a fuel safety cell meeting CCR requirements is not required but is allowed and strongly recommended. The fuel cell maximum size is limited to 24 gallons. S197 chassis Mustangs may replace the OEM mid chassis mounted fuel tank with a fuel cell mounted in the rear trunk area between the frame rails in the manner prescribed by the CCR.

4.10 Fire Extinguisher/Fire System

All cars must have at minimum a fire extinguisher meeting CCR requirements. The installation of an on board fire system meeting the CCR requirements is not required but is strongly recommended.

4.11 Convertible/T-top Cars

Convertible/T-top cars in the eligible models and years are allowed. Convertible cars must have an additional support bar in the roof of the roll cage running either running from front to back located in the centerline of the car, or diagonally from the front driver side to rear passenger side. This bar is not required but strongly recommended for T top cars. Convertible/T-top cars must use driver arm restraints as required by the CCR unless permanently fixed roof panels have been installed. Convertible cars must run with the top down during competition and provide suitable means of securing the top in the event of a rollover, or may remove the top and operating mechanism. T-top cars must remove the T-tops during competition unless permanently fixed panels have been installed. All OEM structural additions for convertible/T-top cars must remain in place. Hard top cars may not be made into convertible or T-top cars.

4.12 Door Safety Bars

In addition to meeting all of the CCR specifications the roll cage in a CMC car must meet the following additional specifications. At a minimum at least two door safety bars must be used on the ~~drivers~~⁴⁵ driver's⁴⁶ side, and one door safety bar on the passenger side. Gutting of the ~~door~~⁴⁷ doors⁴⁸ beyond what is solely necessary to fit cage bars is allowed. However, removal of the OEM door impact beams is only allowed if door bars extend out towards the door skin on the driver's side, and on the passenger side if a minimum of two door bars are used.

4.13 Driver Comfort

Driver comfort items such as cool suits, windshield defogger blowers etc. are allowed as long as they have no impact on ~~vehiele~~⁴⁹ car⁵⁰ performance.

5. ELIGIBLE MANUFACTURERS/MODELS

Manufacturers:

Ford Motor Company (Early Ford)

Eligible Early Ford makes and models:

1979-95 Ford Mustang with⁵¹ 5.0 V8 including 1993-1995 Cobra (1993 and 1995 Cobra R models excluded)

1979-86 Mercury Capri with⁵² 5.0 V8

1996-2004 Ford Mustang with⁵³ 4.6 SOHC⁵⁴ 2valve⁵⁵ V8

1996-04 Ford Mustang with⁵⁶ 4.6 DOHC N/A V8* (2000 Cobra R and 2003-2004 Cobra models excluded; ~~4.6 DOHC may run CMC2 only~~⁵⁷)

* IRS cars must replace the IRS with standard Mustang live axle
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Ford Motor Company (Late Ford)

Eligible Late Ford makes and models:

2005-~~2010~~⁵⁸ 2011⁵⁹ Ford Mustang GT (~~CMC2-only~~)⁶⁰ with 4.6 3valve V8⁶¹

General Motors (Early GM)

Eligible Early GM makes and models:

1982-92 Chevrolet Camaro (all submodels with V8 motors eg – RS, Z28 etc;~~5.7L may run CMC2-only~~⁶²)

1982-92 Pontiac Firebird (all submodels with V8 motors eg Formula, Trans-Am, WS6 etc;~~5.7L may run CMC2 only~~^{63 64})

General Motors (Late GM)

Eligible Late GM makes and models with 5.7L V8 motors

1993-02 Chevrolet Camaro (all F-Body models with⁶⁵ LT-1 or LS-1 (~~LS-1 may run CMC2-only~~⁶⁶))

1993-02 Pontiac (all F-Body models with LT-1 or LS-1;~~LS-1 may run CMC2-only~~⁶⁷)

6. CLASSIFICATION⁶⁸ Power, Weight, and Track Width⁶⁹

6.1 Classification⁷⁰

6.1 Power and Weight table⁷¹

Vehicles⁷² Cars⁷³ competing in the CMC series must ~~declare their participation in one of the two CMC series classes, CMC1 or CMC2, and comply with the tables below. Points and any eligible prizes will be awarded separately for these two classes.~~⁷⁴ adhere to the table below for measured power and minimum weights.

⁷⁵Horsepower and torque used to determine minimum weight must be the average of the three dyno runs, as recorded on the car's annual Dyno Spec Sheet.⁷⁶

Chassis/Body ⁷⁷	Engine ⁷⁸	CMC1 ⁷⁹	CMC2 ⁸⁰
Ford ⁸¹			
Early Ford through 1993 ⁸²	5.0 ⁸³	Table # 1 ⁸⁴	Table # 2 ⁸⁵
Early Ford 1994-2004 ⁸⁶	5.0 and 2V 4.6 ⁸⁷	Table # 1 ⁸⁸	Table # 2 ⁸⁹
Early Ford 1994-2004 ⁹⁰	DOHC 4.6 ⁹¹	Not Eligible ⁹²	Table # 2 ⁹³
Late Ford 2005+ ⁹⁴	All from Late Ford Eligible Models list ⁹⁵	Not Eligible ⁹⁶	Table # 2 ⁹⁷
GM ⁹⁸			
Early GM through 1992 ⁹⁹	5.0 TPI ¹⁰⁰	Table # 1 ¹⁰¹	Table # 2 ¹⁰²
Early GM through 1992 ¹⁰³	5.0 Carbureted ¹⁰⁴	Table # 1 ¹⁰⁵	Table # 2 ¹⁰⁶
Early GM through 1992 ¹⁰⁷	5.7 Carbureted ¹⁰⁸	Not Eligible ¹⁰⁹	Table # 2 ¹¹⁰
Early GM through 1992 ¹¹¹	LT-1 ¹¹²	Not Eligible ¹¹³	Table # 2 ¹¹⁴
Late GM 1993+ ¹¹⁵	LT-1 ¹¹⁶	Table # 1 ¹¹⁷	Table # 2 ¹¹⁸
Late GM 1993+ ¹¹⁹	LS-1 ¹²⁰	Not Eligible ¹²¹	Table # 2 ¹²²

Power & Weight Table # 1
Ford vehicles through 1993 subtract 100lbs from weights below
Ford vehicles 1994-2004 subtract 50lbs from weights below¹²³

Power & Weight Table Ford cars through 1993 subtract 100lbs from weights below Ford cars 1994 - 1998 subtract 50lbs from weights below Ford cars 1999 - 2004 using cast iron 4.6 blocks subtract 50lbs from weights below ¹²⁴ Ford cars 2005 and up and LS1 cars add 50lbs to weights below ¹²⁵ Early GM cars with 305TPI engines add 5lbft to the Torque column values below ¹²⁶									
		Torque							
		≤300 ¹²⁷	301 ¹²⁸	302 ¹²⁹	303 ¹³⁰	304 ¹³¹	305 ¹³²	306 ¹³³	307 ¹³⁴
Horsepower ¹³⁵	≤230 ¹³⁶	3200 ¹³⁷	3240 ¹³⁹	3220 ¹⁴¹	3230 ¹⁴³	3240 ¹⁴⁵	3250 ¹⁴⁷	3275 ¹⁴⁹	3300 ¹⁵¹
		≤310 ¹³⁸	311 ¹⁴⁰	312 ¹⁴²	313 ¹⁴⁴	314 ¹⁴⁶	315 ¹⁴⁸	316 ¹⁵⁰	317 ¹⁵²
	231 ¹⁵³	3240 ¹⁵⁴	3220 ¹⁵⁵	3230 ¹⁵⁶	3240 ¹⁵⁷	3250 ¹⁵⁸	3260 ¹⁵⁹	3285 ¹⁶⁰	3340 ¹⁶¹
	232 ¹⁶²	3220 ¹⁶³	3230 ¹⁶⁴	3240 ¹⁶⁵	3250 ¹⁶⁶	3260 ¹⁶⁷	3270 ¹⁶⁸	3295 ¹⁶⁹	3320 ¹⁷⁰
	233 ¹⁷¹	3230 ¹⁷²	3240 ¹⁷³	3250 ¹⁷⁴	3260 ¹⁷⁵	3270 ¹⁷⁶	3280 ¹⁷⁷	3305 ¹⁷⁸	3330 ¹⁷⁹
	234 ¹⁸⁰	3240 ¹⁸¹	3250 ¹⁸²	3260 ¹⁸³	3270 ¹⁸⁴	3280 ¹⁸⁵	3290 ¹⁸⁶	3315 ¹⁸⁷	3340 ¹⁸⁸
	235 ¹⁸⁹	3250 ¹⁹⁰	3260 ¹⁹¹	3270 ¹⁹²	3280 ¹⁹³	3290 ¹⁹⁴	3300 ¹⁹⁵	3325 ¹⁹⁶	3350 ¹⁹⁷
	236 ¹⁹⁸	3275 ¹⁹⁹	3285 ²⁰⁰	3295 ²⁰¹	3305 ²⁰²	3315 ²⁰³	3325 ²⁰⁴	3350 ²⁰⁵	3375 ²⁰⁶
	237 ²⁰⁷	3300 ²⁰⁸	3310 ²⁰⁹	3320 ²¹⁰	3330 ²¹¹	3340 ²¹²	3350 ²¹³	3375 ²¹⁴	3400 ²¹⁵
Power & Weight Table # 2 Ford vehicles through 1993 subtract 100lbs from weights below Ford vehicles 1994 - 1998 subtract 50lbs from weights below Ford vehicles 1999 - 2004 using cast iron 4.6 blocks subtract 50lbs from weights below ²¹⁶ Ford vehicles 2005 and up and LS1 vehicles add 50lbs to weights below ²¹⁷ Early GM vehicles with 305TPI engines add 5lbft to the Torque column values below ²¹⁸									
		Torque ²¹⁹							
		≤310 ²²⁰	311 ²²¹	312 ²²²	313 ²²³	314 ²²⁴	315 ²²⁵	316 ²²⁶	317 ²²⁷
Horsepower	≤260	3200	3210	3220	3230	3240	3250	3275	3300
	261	3210	3220	3230	3240	3250	3260	3285	3310
	262	3220	3230	3240	3250	3260	3270	3295	3320
	263	3230	3240	3250	3260	3270	3280	3305	3330
	264	3240	3250	3260	3270	3280	3290	3315	3340
	265	3250	3260	3270	3280	3290	3300	3325	3350
	266	3275	3285	3295	3305	3315	3325	3350	3375
	267	3300	3310	3320	3330	3340	3350	3375	3400

6.2 Horsepower/Torque and Minimum Weight ~~Horsepower and torque used to determine minimum weight must be the average of the three dyno runs, as recorded on the car's annual Dyno Spec Sheet.~~²²⁸ Decal²²⁹

All cars must display ~~this~~²³⁰ horsepower, torque, and minimum weight on a ~~CMC~~²³¹ power/weight decal on the windshield.

6.3 Minimum weight²³²

Minimum weight is as measured immediately after a race, including driver. There is zero tolerance on the weight measured by the scales except as noted in the CCR 17.8.²³³

6.3 Track Width²³⁴

Cars are allowed a maximum track width as noted in the table below. Track width is measured "as raced" with driver and is measured at the outside edge of the tires. The track width measurement will be taken at a point three inches from the ground²³⁵ using two metal plates similar to the Longacre #7950 toe plates²³⁶ . The

measurement used for compliance will be the average of the front of the tire and rear of the tire width measurements at the three inch height after accounting for the thickness of the plates. The plates will be placed flush against the tire²³⁸ and not perpendicular to the ground for the measurements.²³⁹

<u>Car</u> ²⁴⁰	<u>Maximum Track Width (inches)</u> ²⁴¹ <u>Front</u> ²⁴²	<u>Maximum Track Width (inches)</u> ²⁴³ <u>Rear</u> ²⁴⁴
<u>79-93 Ford</u> ²⁴⁵	<u>72.75</u> ²⁴⁶	<u>72.75</u> ²⁴⁷
<u>94-96 Ford</u> ²⁴⁸	<u>73.25</u> ²⁴⁹	<u>73.75</u> ²⁵⁰
<u>97-04 Ford</u> ²⁵¹	<u>73.25</u> ²⁵²	<u>73.75</u> ²⁵³
<u>05-11 Ford</u> ²⁵⁴	<u>74.5</u> ²⁵⁵	<u>74.5</u> ²⁵⁶
<u>82-92 GM</u> ²⁵⁷	<u>74.75</u> ²⁵⁸	<u>74.75</u> ²⁵⁹
<u>93-02 GM</u> ²⁶⁰	<u>74.75</u> ²⁶¹	<u>74.75</u> ²⁶²

7. GMC1 CLASS²⁶³ **CAR**²⁶⁴ **MODIFICATIONS**

7.1 Allowed Modifications

Other than those items specifically allowed by the rules, no other part or component may be modified, removed, or disabled. If there are any "questionable" or "gray" area modifications, the competitor shall contact the CMC Board of Directors for clarification before competition.

Replacement parts must be *original equipment manufacturer* (OEM) or others of equivalent OEM specifications. (i.e. – OEM replacement parts from any retailer are allowed provided they meet OEM specifications and do not offer a performance improvement over the OEM part they replace.)

Limited production components and/or prototypes must be approved by a Director prior to competition to ensure their use and lack of availability to all competitors will not result in a competitive advantage.

7.2 Appearance Requirements

7.2.1 All cars are required to prominently display at least four official NASA racing stickers, one on the front, rear, and one on each side.

7.2.1.2 Series sponsor or individual race sponsor decals or stickers may be required. Drivers must also display any series required patches and NASA patches on their driving suits.

7.2.2 All windshields shall have the standard Camaro Mustang Challenge banner across the top ~~which~~ ~~may~~²⁶⁵ Digital files for the banner can²⁶⁶ be obtained from ~~the~~²⁶⁷ CMC Officials. The driver's last name, or first initial and last name, must be displayed on the lower passenger side section of the windshield in tall, bold, white block letters.

7.2.3 The ~~vehicle~~²⁶⁸ car²⁶⁹ must exhibit its assigned car number on both sides, front and rear of the car. The side numbers must be at least ten (10) inches tall and be of a contrasting color. The front and rear numbers must be at least four (4) inches tall. Class identification must be at least four (4) inches tall and be located in close proximity to the number on each side and rear of the car .

7.2.4 No tinted windows allowed other than factory OEM tints.

7.3 Update/Backdate Non-body Components

Non-body components may be updated/backdated within cars of the same manufacturer on the eligible manufacturers/models list (i.e. 1982-92 GM Early components may **NOT** be interchanged with 1993-97 GM Late components) unless noted elsewhere in these rules.

7.4 Allowed Body components and²⁷⁰ **Update/Backdate of**²⁷¹ **Body Components**

Unless specified elsewhere in these rules, body components of only the models listed below may be used.²⁷²

OEM body components, unit body, and subframes may be updated/backdated only within the years, make and model groups as follows:^{273 274}

1. 1982-~~92~~²⁷⁵ 1992²⁷⁶ Chevrolet Camaro (~~all OEM submodels eg -~~²⁷⁷ RS, Z28, IROC)²⁷⁸ ~~-Z~~²⁷⁹

2. 1993-2002 Chevrolet Camaro (~~all OEM submodels eg~~²⁸⁰ RS, Z28, SS)²⁸¹
 3. 1979-~~93 Ford~~²⁸² 1993²⁸³ Mustang (~~all OEM submodels eg~~²⁸⁴ L, GL, GLX,²⁸⁵ LX, GT, Turbo GT, Cobra (~~not Cobra R~~²⁸⁶))
 4. 1994-~~98 Ford~~²⁸⁷ 1996²⁸⁸ Mustang (~~all OEM submodels eg~~²⁸⁹ LX base model²⁹⁰, GT)²⁹¹
 5. ~~1999~~²⁹² 1997²⁹³-2004 Ford Mustang (~~all OEM submodels eg~~²⁹⁴ LX, GT Mustang base model, GT, Cobra (1999 and 2001 only, not Cobra R)²⁹⁵)
 6. ~~2005-2012 Mustang base model, GT (any OE grill insert may be used~~²⁹⁶ 2005-2012 Mustang base model, GT (any OE grill insert may be used²⁹⁷)
 7. ~~6.~~²⁹⁸ 1979-86 Mercury Capri
 8. ~~7.~~²⁹⁹ 1982-92 Pontiac Firebird (~~all OEM submodels eg~~³⁰⁰ Formula, Trans-Am, WS6,³⁰¹)
 9. ~~8.~~³⁰² 1993-2002 Pontiac Firebird (~~all OEM submodels eg~~³⁰³ Formula, Trans-Am, WS6,³⁰⁴ 6³⁰⁵)
- For clarity, the Mach 1 chin spoilers/air dams and 2003-2004 Cobra bumper covers are not allowed.³⁰⁶

7.5 Body

7.5.1 Fenders³⁰⁷ Other than Ford cars up to and including 1993, fenders³⁰⁸ / quarter panels must be OEM stock or an OEM replacement meeting the following requirements:

1. The lips may be rolled inward for tire clearance and may not be flared outwards.
2. Panels may not otherwise be modified / altered / or installed in such a way as to purposely increase width or possible track width over OEM dimensions.
3. ~~A vertical line from the widest point of the fender lip may not intersect the tire contact patch/tread area above the centerline of the wheel when the wheels are straight.~~³⁰⁹
3. ~~4.~~³¹⁰ Plastic interior wheel opening panels may be removed.

Ford cars³¹¹ up to and including 1993 may modify the OEM fenders / quarter panels (including adding aftermarket flares) and body mounts as needed in order to gain track width up to³¹² the maximum stated in 6.3.³¹³ The resulting bodywork modifications must conform³¹⁴ to³¹⁵ CCR 18.1.3 and must have no other function than to gain tire clearance.³¹⁶

7.5.2 ~~A front air dam may be used provided it meets the following requirements:~~³¹⁷

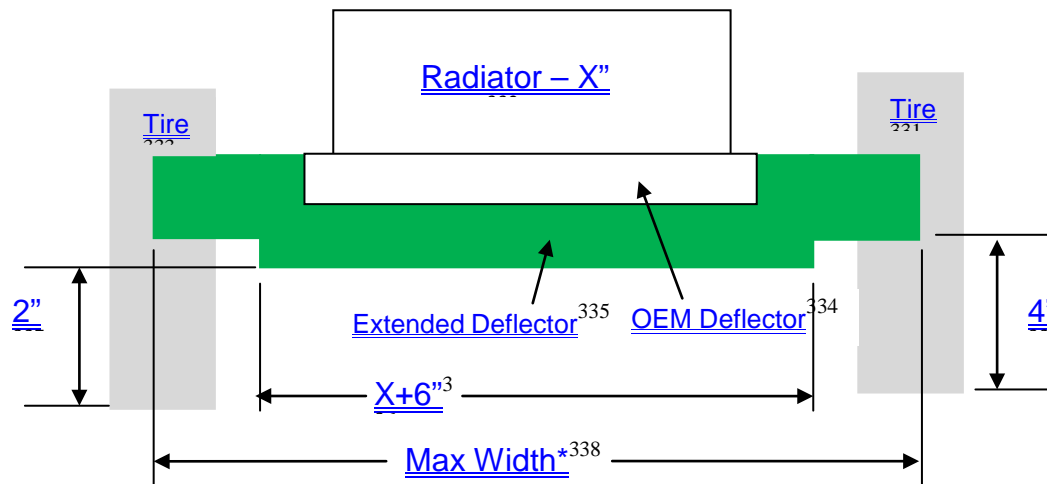
1. ~~Air dams must fit securely to the body with minimum modifications to the original bumper cover.~~³¹⁸
2. ~~Air dams must only extend downward from the original bumper cover, with no horizontal sections, and may not protrude beyond the overall outline of the body when viewed from above.~~³¹⁹
3. ~~Early Ford (pre-2005) may use the following aftermarket front air dams which were available from the OEM: Saleen or Roush (Mustang only)~~³²⁰ **7.5.3**³²¹ The slotting, cutting, or drilling of the front bumper cover and underlying bumper structure to provide additional cooling air to the radiator, brakes, or coolers is allowed provided that:
 1. No more than 120 square inches of material is removed from the bumper cover
 2. No more than 30" total width of material, measured horizontally, is removed from the underlying bumper structure. In no case may a one piece bumper structure be cut into two pieces.

7.5.3 OEM foam or honeycomb plastic impact absorbers under the bumper covers may be removed, though this is not recommended. OE steel/aluminum/composite impact beams and impact absorbers must remain in place. The OE impact beam may be modified as per 7.5.2. Additional fasteners and/or brackets/supports may be added to attach/support the bumper covers as long as these only serve to support the cover, are not designed to act as impact absorbers or aero devices, and the bumper cover remains in the OE location.³²²

7.5.4 ~~Only spoilers or wings that were OEM equipment on an eligible model may be used other than the following exceptions:~~³²³

1. ~~Early Ford (pre-2005) cars may use Roush, Saleen, or Steeda wings that were available on factory models through the dealer.~~³²⁴
2. ~~Early GM (pre-1993) Pontiacs may use Mechem Trans Am wings that were available on factory models through the dealer.~~³²⁵
3. ~~Any car may add a spoiler of any design/origin to the OEM trunk/rear lid/eligible model wing as long as a vertical line from every point on the added spoiler intersects the body/bumper below~~

it and the maximum height of the added spoiler, measured vertically from any attachment point, is no more than 6 inches. ³²⁶**7.5.5** ³²⁷No body component with the exception of the radiator air deflector shall be lower than 4" measured vertically from the ground. Radiator air deflectors shall be no more than a total of 6 inches wider than the radiator itself and no lower than 2 inches measured vertically from the ground. ³²⁸may be removed, modified, or substituted according to the diagram below and must be centered at the same front/back location as the OEM deflector +/- 1".³²⁹



* Max Width shall be 55" or the car's OEM air deflector, whichever is greater³³⁹

7.5.5 Any ³⁴⁰rear spoiler/wing that fits the following criteria may be used^{341,342}

1. ³⁴³A vertical line from every point on the³⁴⁴ spoiler/³⁴⁵ wing and end plates must intersect the³⁴⁶ car body/bumper cover when the car is on a level surface.³⁴⁷
2. ³⁴⁸The maximum height of any point on the spoiler/³⁴⁹ wing from any point on the deck lid/rear hatch may not be greater than 12 inches.³⁵⁰
3. ³⁵¹The overall depth (leading edge to trailing edge) including end plates may not be more than 12 inches.³⁵²
4. ³⁵³The spoiler/³⁵⁴ wing and mounts as installed must be readily available to the public from a retail source for less than \$700.³⁵⁵
5. ³⁵⁶The wing must be fixed for competition and may not be adjusted from the driver's seat³⁵⁷

7.5.6 Hood pins must be fitted. Trunk pins may be fitted. Stock hood and trunk latches may be replaced with clips. The car must be run with the hood, doors, and ~~trunk~~³⁵⁸ trunk³⁵⁹ completely closed and securely latched.

7.5.7 Windshield clips as described in 15.13 of the CCR are optional but strongly recommended. Rear window clips are optional but strongly recommended.

7.5.8 OEM antennas, emblems, and door/fender/quarter panel guard strips may be removed.³⁶⁰

7.5.9 ³⁶¹All chassis ~~and~~³⁶² structure, and body³⁶³ repair must be done as close as possible to the OEM factory specifications. ~~Besides what is allowed by~~³⁶⁴ and OEM stock contours. Unless specified elsewhere in³⁶⁵ these rules, no additional chassis/frame strengthening is allowed. All body repairs must maintain OEM stock contours.³⁶⁶

7.5.9³⁶⁸ **7.5.10**³⁶⁹ A section of the floor may be cut and a trap door added in order to enable changing the in-tank fuel pump without removing the tank.

7.6 Chassis Strengthening

7.6.1 The frame or subframe shall be stock for the body used. The front and rear subframes may be tied together (front to rear only) with subframe connectors. The subframe connectors may be bolted or welded to the unmodified subframes, but may not be welded or bolted to the floor along the length of the subframe connector. The subframe connectors may not pass through the floor or intrude into the inside of the car. OEM

seat mount points may be altered or reinforced. The reinforcement may tie into the subframe connectors or the cage but may not span across the floor from driver to passenger side.

7.6.2 One bolt in stay rod may be fitted between the upper front strut towers and between each strut tower and the firewall. The minimum distance between the center of any of the stay rod's bolting points to the edge of the base plate for the roll cage's 7th/8th points is 18 inches.

7.6.3 A lower chassis front suspension brace (G-load brace) may be fitted. It must bolt on only using a maximum of four existing OEM factory holes or mounting bolts and no cutting, welding or other modifications may be made to the structure of the car to install this brace.

7.6.4 A front steering brace may be fitted. It must bolt on only using a maximum of four existing OEM factory holes and no cutting, welding or other modifications may be made to the structure of the car to install this brace.

7.7 Ballast

Up to 150lbs of ballast is allowed, but no ~~further~~³⁷⁰ farther³⁷¹ rearward than the plane of the front of the main hoop of the roll cage. Each ballast piece may not be taller than three inches or stacked higher than three inches. Ballast must be securely fastened and approved by NASA tech/safety officials. Battery boxes, cool suit mounts, and other added components made excessively heavy may be determined by NASA tech or CMC Officials to serve as ballast and therefore not allowed farther rearward than the plane of the front of the main hoop.³⁷²

7.8 Interior

7.8.1 The driver's seat must be replaced with a seat suitable for competition. The driver's seatback must be reinforced by bracing the seat back to the roll cage unless ~~it~~³⁷³ the seat³⁷⁴ conforms to ~~the~~³⁷⁵ current³⁷⁶ FIA ~~standard~~³⁷⁷ standards³⁷⁸ which ~~does~~³⁷⁹ do³⁸⁰ not require a seat brace. A head restraint system meeting the CCR requirements must be used to cushion the driver's head from behind.

7.8.2 Any steering wheel may be used other than wooden models. Quick release mechanisms and spacers may be used to move the steering wheel location, but the OEM steering column must be used.

~~7.8.3 Any shift knob may be used.~~³⁸¹ **7.8.4**³⁸² Modifications may be made to the foot pedals to improve the comfort and control accessibility for the driver. The pedal assembly must be mounted to the chassis using the original mounting points.

Note: Rules ~~7.8.4,~~³⁸³ 7.8.2,³⁸⁴ 7.8.3,³⁸⁴ and 7.27.3 may not be combined to relocate the driver excessively rearwards for weight distribution.

~~7.8.5~~³⁸⁵ 7.8.4³⁸⁶ Gauges may be replaced or added.

~~7.8.6~~³⁸⁷ 7.8.5³⁸⁸ Any interior or exterior mirrors may be used.

~~7.8.7~~³⁸⁹ 7.8.6³⁹⁰ The OEM stock dashboard must remain intact except to accommodate the installation of the roll cage. Structure under the dash may be removed or trimmed as long as the dashboard and steering column remain in the OEM location and are properly mounted. Any unused dash or steering column mounted components such as A/C controls, air bags, etc. may be removed. Openings larger than 6 square inches ~~due to~~³⁹¹ that result from³⁹² component removal must have a suitable metal or plastic cover. Dash trim pieces may be substituted with suitable metal or plastic pieces.

~~7.8.8~~³⁹³ 7.8.7³⁹⁴ Other than the stock dash, all other interior parts and panels, including all passenger seats may be removed. Undercoating may be removed. Floor mats, spare tire, tools, jacks, etc. must be removed. There must be no remaining sharp edges that could come in contact with the driver. Other than to provide for the installation of required safety equipment or other authorized modifications, no other driver/passenger compartment alterations or gutting is permitted.

~~7.8.9~~³⁹⁵ 7.8.8³⁹⁶ Any unused interior brackets may be removed. There must be no remaining sharp edges.

~~7.8.10~~³⁹⁷ 7.8.9³⁹⁸ Any unused under-hood brackets and plastic components that can be unbolted (not cut) may be removed.

7.9. Electronics/Electrical

7.9.1 Removal of wiring associated with a component that may be removed by these rules is permitted. Re-wiring of legal components is allowed as long as the modifications to the wiring do not alter or affect the original performance of the connected components.

7.9.2 All cars must have a minimum of two properly functioning OEM rear brake light assemblies. All other OEM light assemblies may be replaced with facsimiles, plates, covers, or mesh covered cooling duct openings as long as these maintain the stock external appearance. Replacements for recessed lights must also be recessed. Front ~~Turn~~³⁹⁹ turn⁴⁰⁰ signals and fog lights may be removed.

7.9.3 Electronic traction control devices are expressly prohibited. OEM electronic traction control devices must be removed or disabled.

7.9.4 Windshield wipers, wiper motor, arms, parts, windshield washer pump, washer reservoir, all lines and wiring may be removed.

7.9.5 Data Acquisition Systems are unrestricted. Telemetry is not allowed.

7.9.6 Radio Communication devices are allowed.

7.9.7 The battery may be relocated. The battery must be of the same type, group size (i.e. 24F), and voltage as originally equipped, or heavier, and may not be modified.

7.9.8 The alternator must be OEM stock and may be updated/backdated within cars of the same manufacturer on the eligible manufacturers/models list. The alternator must be charging according to the manufacturer's specifications.

7.9.9 Installation of non-OEM electrical devices to defeat OEM anti-theft circuitry is allowed. Any such device must be external to the PCM and serve no other function

7.9.10 The PCM may be relocated to inside the body for protection.⁴⁰¹

7.10 Plumbing

Plumbing, defined as hoses, hose ends, hard lines, associated fittings, and routing, is unrestricted provided it serves the same function. Filters for all fluids may be added or substituted.

7.11 Engine

7.11.1 Any 4.6-~~2V~~⁴⁰² Ford, 5.0,(302 Ford or 305 GM), 5.7 liter LT1 GM V8 production engine, in OEM stock configuration unless otherwise stated in these rules, that was originally offered in an eligible model car is legal. Cobra R model engines (Ford) and LT4 (GM/Chevrolet) engines or engine components are prohibited.

Additionally, early GM cars may run⁴⁰³ any⁴⁰⁴ LT-1 from the 93-97 Late GM cars as long as the stock LT⁴⁰⁵ 1 engine controlling electronics are maintained.⁴⁰⁶

7.11.2 Engine mounts may be substituted with aftermarket polyurethane or solid replacements that use the OEM mount locations and maintain the motor in the OEM location.

7.11.3 Aftermarket harmonic balancers meeting SFI 18-1 and factory balance are allowed.

7.11.4 Any valve springs, spring seats, retainers, keepers, shims, and locks may be used provided they are the same metal as OEM and are mounted to the OEM valves. Lash caps may only be used if present on the OEM setup.⁴⁰⁷

7.11.5⁴⁰⁸ GM vehicles⁴⁰⁹ cars⁴¹⁰ may substitute engine blocks with OEM cast iron four bolt main bearing blocks.

7.11.6 Early GM 305⁴¹¹ TPI cars may use GM L31 Vortec #⁴¹² 12558060 or L35 #12552520/12558059 heads⁴¹³ and Edelbrock 3817 TPI base manifolds.⁴¹⁴

7.11.7⁴¹⁵ Early GM 305 cars may use up to 1.6 ratio individual stud mounted roller rocker arms.⁴¹⁶

7.11.8⁴¹⁷ Ford 5.0 cars may use Explorer/Mountaineer GT40P heads and intake manifolds.⁴¹⁸

7.11.9 Ford 5.0 cars may use the Ford Racing E303 camshaft.⁴¹⁹

7.12 Ford Spec Carbureted Engine Option

~~All~~⁴²⁰ Any⁴²¹ of the following unmodified aftermarket components (and only these components) may be substituted on a CMC legal Ford 5.0 liter (302ci) V8 long block to create a carbed, spec Ford engine:

1. Holley carburetor 600cfm-4bbl #4776
2. Edelbrock Performer or Performer RPM⁴²² intake ~~manifold #2121~~⁴²³ manifolds #2121, #7121,⁴²⁴ #7521⁴²⁵
- 3.⁴²⁶ Ford Racing B303 camshaft⁴²⁷
4. ~~3.~~⁴²⁸ Ford OEM distributor (non-computer controlled)

7.13 GM Spec Carbureted Engine Option

All⁴²⁹ Any⁴³⁰ of the following unmodified aftermarket components (and only these components) may be substituted on a CMC legal GM/~~Chevrolet 5.0 liter (305ci)~~⁴³¹ V8 long block to create a carb'd, spec engine:

5.0 liter (305ci) ⁴³²

1. Holley carburetor 600cfm-4bbl #4776
2. Edelbrock Performer intake manifold #~~2101 or #2104~~⁴³³ 2101, #2104, #2116, #7116, #7516⁴³⁴
3. Edelbrock Performer Cam kit #2102 or Comp Cams⁴³⁵ #12-238-2⁴³⁶
4. ⁴³⁷ GM L31 #12558060 or L35 #12552520/12558059 heads⁴³⁸
5. ⁴³⁹ GM OEM H.E.I. distributor (non-computer controlled)⁴⁴⁰

5.7 liter (350ci) ⁴⁴¹

1. ⁴⁴² Holley carburetor 600cfm-4bbl #4776⁴⁴³
2. ⁴⁴⁴ Edelbrock Performer intake manifold #⁴⁴⁵ 2101, #2104, #2116, #7116, #⁴⁴⁶ 7516⁴⁴⁷
3. ⁴⁴⁸ GM Camshaft #24502476⁴⁴⁹
4. ⁴⁵⁰ GM L31 #12558060 or L35 #12552520/12558059 heads⁴⁵¹
5. ~~4.~~⁴⁵² GM OEM H.E.I. distributor (non-computer controlled)

7.14 Engine Balancing / Rebuilding

Engine balancing is allowed. Lightening of parts beyond the minimum required to balance is prohibited. Boring/honing is allowed up to 0.060 over. Head/block milling is allowed but only as far as required to square/clean the surface area. Compression ratio shall be no higher than 10.0 to 1 for iron head engines and 11.0 to 1 for aluminum head engines.

7.15 Fasteners/Gaskets/Engine Bearings

Fasteners are unrestricted provided they serve the same function. Gaskets and engine bearings are unrestricted.

7.16 Lubrication

Oil Filters and lines may be replaced or added. Dry sump lubrication systems are prohibited. Any oil pump that fits in the OEM location is allowed.

7.16.1 Pressure accumulators/aftermarket oil pans

Eligible cars may have one or both of the following devices installed:

1. Oil pressure accumulator:⁴⁵³
 - An oil pressure accumulator such as ~~an~~⁴⁵⁴ a⁴⁵⁵ Canton Accusump or Moroso accumulator is allowed.
 - Any oil lines that pass through the passenger compartment must be metal or metal braided and must be securely fastened and safely routed as per the NASA CCR.
2. Aftermarket oil pan and pickup:⁴⁵⁶
 - Non-OEM oil pans are allowed, but restricted only to the following manufacturers and model numbers listed below.
 - 1979 - 1995 Ford 5.0L Canton P/N 15-644
 - 1982 - 1992 GM 5.0L Canton P/Ns 15-244, 15-244M, 15-244T
 - 1993 - 1997 GM 5.7L Canton P/N 15-242T
 - 1996 - and up Ford 4.6L Canton P/N 15-784
 - 1998 - 2002 GM 5.7L Canton P/N 13-270A⁴⁵⁷

7.17 Catch Tanks

All engine breathers and coolant overflow lines must vent to a catch tank of at least one U.S. quart capacity. Catch tanks may not be mounted in the passenger compartment. An engine vacuum breather that passes through the catch tank to the exhaust system or vacuum devices that connect directly to the exhaust system are prohibited.

7.19 Accessory Pulleys/Belts

All engine accessories must remain OEM stock unless stated elsewhere in these rules. Engine accessory mounting brackets may be substituted or modified from stock to allow removal of the air conditioning compressor and smog pump but changes may serve no other purpose. Engine accessory drive pulleys and belts may be replaced with any non-tooth drive belt and appropriate pulleys providing doing so does not boost horsepower or torque above the allowed maximum figures.

7.20 Smog Equipment

All smog equipment may be removed, including the catalytic converter(s). Any smog equipment not removed must either be disabled or left to function as originally intended by the manufacturer. All disconnected ports and holes must be sealed.

7.21 Injection/Induction

7.21.1 The jets, metering rods, needles, etc in the stock / spec carburetor may be changed to facilitate tuning.

7.21.2 The stock/spec carburetor choke assembly may be removed. Any carburetor heat shield/insulator/spacer up to 1" thick may be installed on carburetor cars to help prevent fuel boiling.

7.21.3 Injectors may be of any origin, but must have the same OEM rating and use the OEM fuel rail. Early⁴⁵⁸ 305TPI cars may use 24lb injectors⁴⁵⁹ that use the OEM fuel rail.⁴⁶⁰

7.21.4 Cars may install a restrictor between the air filter and intake manifold to reduce horsepower and torque. The diameter and thickness of the restrictor plate orifice(s) shall be noted on the Dyno Sheet and must match at all times.

7.21.5 Any air filter or air filter assembly may be fitted and OE assemblies may be modified. Air boxes and filters must reside inside the engine compartment or in the OEM stock location. Air filter installations intentionally designed to create, or that appear⁴⁶¹ to create a ram air effect are not allowed, even if they were OEM stock.

7.22 Fuel System

7.22.1 A maximum of one fuel pump and one pickup are allowed with the following restrictions:

1. Cars retaining the stock fuel tank may use any fuel pump that fits in the factory location.
2. Cars equipped with a fuel cell may use any fuel pump and mount it anywhere outside of the passenger compartment.

7.22.2 Fuel pressure may be adjusted by means of an adjustable fuel pressure regulator. Only one pressure regulator per car is allowed. For fuel-injected cars, the regulator must fit in the factory OEM location. It must be possible to test the fuel pressure using the factory fuel pressure test port.

7.22.3 Fuel coolers of any kind are prohibited.

7.22.4 The OEM fuel filler neck may be modified by removing the fill flap and ring.⁴⁶²

7.23. Ignition

7.23.1 Any spark plugs and ignition wires may be used.

7.23.2 Any rev limiter⁴⁶³ limiting device⁴⁶⁴ may be used provided that is its only function.

7.23.3 Any initial timing may be used but no recurving of the distributor or timing map is permitted.⁴⁶⁵

7.23.4 All other ignition components and parts must be OEM stock or equivalent replacements and remain unaltered.

7.23.5⁴⁶⁶ Ford 4.6 2V cars may use an external base timing adjuster such as Steeda #555-3410 as long as the adjuster serves no other purpose other than to adjust base timing and the timing⁴⁶⁷ can be verified visually.⁴⁶⁸

7.24 Exhaust

7.24.1⁴⁶⁹ All cars must use OEM stock exhaust manifolds with the following exceptions:⁴⁷⁰

- 1.⁴⁷¹ Early GM 305 and Early⁴⁷² Ford 5.0 cars may use shorty style headers⁴⁷³
- 2.⁴⁷⁴ Ford 4.6 2V cars may use long tube headers⁴⁷⁵.

7.24.2 ⁴⁷⁶ Any suitable exhaust system may be used after the ~~OEM stock exhaust~~ ⁴⁷⁷ manifolds (or headers on cars that are allowed headers) ⁴⁷⁸. The exhaust must exit behind the driver and be directed away from the car. Mufflers may be required to meet sound regulations depending on track location.

7.25 Engine Cooling

7.25.1 Any radiator may be used provided it fits in the stock location and requires no major body or structure modifications to install.

7.25.2 Any engine driven water pump that fits in the unmodified OEM location is allowed.

7.25.3 Radiator fans shrouding/ducting around, and mesh screens in front of the radiator ⁴⁷⁹ may be added, ⁴⁸⁰ removed, ⁴⁸¹ or ~~added,~~ ⁴⁸² modified. ⁴⁸³ Thermostats are unrestricted. Air conditioning systems may be removed.

7.25.4 The heater core may be bypassed and/or the entire heater box assembly may be removed. This includes all hoses, lines, ducts, coils, and controls. Any resulting holes in the firewall must be plugged or covered adequately to maintain the integrity of the firewall. Tape is not an acceptable covering.

7.25.5 Oil and power steering coolers may be replaced or added. Coolers must be securely mounted forward of the firewall. All lines must be securely fastened and safely routed.

7.25.6 LT1 and LS1 powered GM ~~vehicles~~ ⁴⁸⁴ cars ⁴⁸⁵ may use modified OEM power steering pumps to lower power steering temperatures.

7.25.7 The only engine coolant allowed shall be water. Water additives such as Redline Water Wetter may be used.

7.26 Clutch/Flywheel

Any single disc clutch and pressure plate of OEM stock diameter may be used provided that it is bolted directly to the unmodified OEM stock flywheel and the pressure plate is made of the same material as OEM.

7.27 Transmission

7.27.1. Any OEM stock four, five or six speed transmission that was originally offered in an eligible model car of the same manufacturer is allowed. Tremec 3550 (Tremec part 260 0682R or TCET1376 only), Tremec TKO, T56, and TR~~606~~ ⁴⁸⁶ 6060 ⁴⁸⁷ transmissions are also allowed.

7.27.2. No transmission modifications are allowed other than the changing of gear ratios.

7.27.3. Any shifter ~~or~~ ⁴⁸⁸ ⁴⁸⁹ shift linkage and shifter knob ⁴⁹⁰ may be used.

7.27.4. Transmission mounts and/or bushings may be changed from stock

7.27.5. No automatic or semi-automatic transmissions are allowed. Cars originally equipped with an automatic transmission must convert to a legal manual transmission.

7.28 Drive Shaft

The OEM stock drive shaft, yokes, and universal joints may be substituted with any replacement of steel or aluminum construction.

7.29 Rear axles

7.29.1 Any OEM stock differential housing that was originally offered in an eligible model car is allowed. Updating/Backdating of OEM stock differential housings is allowed.

7.29.2 Both GM and Ford cars may also use a Ford 9", GM 12 bolt, or Dana 44 rear axle housing, but the housing must maintain both the exact OEM suspension pickup points and OEM rear end geometry as the originally equipped axle assembly.

7.29.3 Any gear ratio that fits the stock/alternate differential case without modification may be used. Differentials may be fully locked (welded) or use any commercially available mechanical limited slip.

7.29.4 Any commercially available replacement type steel or alloy steel axles may be used. Full floater axles are prohibited. Heavy-duty non-"C" Clip style axle ends are allowed and recommended. Competitors should carefully select axle ends. Many of the "C" clip eliminator axle ends are designed for street or drag strip use only and cannot withstand the side loads associated with road racing.

7.30 Wheel Studs

Wheel studs and lug nuts are unrestricted, but must be made of steel and no smaller in size than OEM stock. CMC Rules 2012 version 1

7.31 Wheels/Tires

7.31.1 Wheels may be of any construction or material ~~but~~⁴⁹¹ and⁴⁹² must ~~weigh~~⁴⁹³ be⁴⁹⁴ 16 ~~pounds~~⁴⁹⁵ or ~~more~~⁴⁹⁶ 17 inch diameter⁴⁹⁷.

7.31.2 ~~Maximum wheel size is 16"x8"~~⁴⁹⁸ 16 inch wheels must weigh 16lbs or more and may not be wider than 8 inches. 17 inch wheels must weigh 18lbs or more and may not be wider than 9.5 inches.⁴⁹⁹

7.31.3 Maximum tire size is ~~255/50R16~~⁵⁰⁰ 275/40R⁵⁰¹ 17 for all cars other than late Fords, which have a maximum tire size of 235/40R17.⁵⁰² The only tire brand and model allowed is the Toyo Proxes RA1.

7.31.4 Wheel spacers are allowed and wheels may have any offset.

7.32 Brakes

7.32.1 Brake pads, linings, and fluid are unrestricted.

7.32.2 The brake master cylinder and brake booster must be OEM stock and unmodified. Any year SVO Mustang master cylinders/boosters are allowed for Early Ford ~~vehicles~~⁵⁰³ cars⁵⁰⁴.

7.32.3 A brake-proportioning valve may be used provided that it is an inline, pressure-limiting type.

7.32.4 Backing plates (dust shields)⁵⁰⁵ may be removed or modified. Air ducts may be fitted to the brakes, provided that they extend in a forward direction only and that no changes are made in the body/structure for their use. Liquid brake cooling is prohibited.

7.32.5 Parking brakes, mechanisms, and actuating components may be removed.

7.32.6 Rear caliper mounting brackets may be substituted.

7.32.7 Antilock braking systems (ABS) are prohibited. OEM stock ABS systems must be removed or disabled by unplugging the wiring harness from the ABS actuator unit.⁵⁰⁶

7.32.8 Braking systems shall conform to the following specifications:

1. The one piece front or rear hub with rotor may be replaced with a separate hub and rotor or separate hub, rotor hat and rotor.
2. ⁵⁰⁷ Hat material may be aluminum.⁵⁰⁸
3. ~~2.~~⁵⁰⁹ Rotors shall be cast iron only and may be vented. No cross drilling or slotting is allowed. ~~3.—The maximum front and rear rotor size shall not exceed the following dimensions:~~⁵¹⁰
 - a. ~~All GM vehicles: 12.0" diameter and 1.25" thickness~~⁵¹¹
 - b. ~~All Ford vehicles: 12" diameter and 1.125 thickness~~⁵¹²
4. ~~Front calipers may be updated/backdated within cars of the same manufacturer on the eligible manufacturers/models list with the following exceptions listed below:~~⁵¹³ Maximum⁵¹⁴ rotor size for all cars is 13.1" diameter and 1.31" thickness^{515 516}
 - a. ~~All GM vehicles may use stock 98+ Camaro/Firebird 44mm dual piston calipers or C5/C6 40mm dual piston calipers~~⁵¹⁷
 - b. ~~Early Ford vehicles may use stock SVO calipers.~~⁵¹⁸
5. ⁵¹⁹ Front calipers may be⁵²⁰ any single line, aluminum bodied⁵²¹ with four or fewer pistons,⁵²² that is readily available to the public from a retail source for less than \$600⁵²³ each⁵²⁴ Modifications to the spindle/upright to⁵²⁵ substitute the OEM⁵²⁶ caliper are allowed provided their only purpose is to⁵²⁷ enable mounting of the alternate caliper.⁵²⁸
6. ~~5.~~⁵²⁹ The rear calipers may be updated/backdated within approved⁵³⁰ cars of the same manufacturer on the eligible manufacturers/models list with the additions listed below for Ford cars being allowed:
 - a. Unmodified 1984-1986 Mustang SVO rear caliper
 - b. Unmodified 1984-1987 Lincoln Mark 7 rear caliper
 - c. Unmodified PBR style 40mm single piston calipers used in Baer and Ford kits

7.33 Suspension/Steering

7.33.1 Minimum ride height is 4.5", to be measured at the lowest point of the rocker panel, but not to include welded seams, floor pan "bumps", or fasteners.

7.33.2 Panhard bars:

1. Ford ~~vehicles~~⁵³¹ cars⁵³² may add a panhard bar. The bar may be adjustable for length. One panhard bar mounting point may be height adjustable to allow for leveling of the bar, but the other mounting point must be of fixed height.
2. GM ~~vehicles~~⁵³³ cars⁵³⁴ may substitute the OEM panhard bar. The bar may be adjustable for length. The passenger side mounting point must remain OEM stock. The driver side mounting point may be lowered, but only to the point where the panhard bar is parallel to the axle at ride height.

7.33.3 The OEM stock rear lower control arms only may be replaced with "replacement type" aftermarket control arms. Any aftermarket control arms used must be of fixed OEM length, or adjusted to OEM length and have jam nuts tack welded or otherwise fixed to maintain the exact suspension geometry of the OEM control arms they replace. Any spring perch must be of fixed height. The control arms must bolt on using the OEM factory holes and no cutting, welding or other modifications may be made to the structure of the car or rear end housing to install these control arms.

7.33.4 Springs of any rate, OD, ID and free length may be used. Springs must install in the OEM stock unmodified location using the original system of attachment unless noted elsewhere in these rules.

~~7.33.4.4~~⁵³⁵ 7.33.5⁵³⁶ ~~Late model~~⁵³⁷ GM and Late Ford⁵³⁸ cars may use a threaded collar and adjustable spring seat assembly such as one available from Ground Control, Global West and Suspension Specialists for the front suspension. The rear springs shall conform to 7.33.4 above.

~~7.33.5~~⁵³⁹ 7.33.6⁵⁴⁰ Any spring spacers/shims may be used. The spacers may NOT allow adjustment of the installed height of the spring without spring removal. The spring spacers/shims must install with the spring in the OEM stock location and no cutting, welding or other modifications may be made to the structure of the car to install these spacers/shims.

~~7.33.5.4~~⁵⁴¹ 7.33.7⁵⁴² If a threaded collar and adjustable spring seat assembly is⁵⁴³ installed as described in ~~7.33.4.4~~⁵⁴⁴ 7.33.5⁵⁴⁵ above, the distance between the bottom of the threaded collar around the shock to the bottom of the spring seat must be the same on both front assemblies at all times within a 1/8" tolerance.

Spring spacers/shims may be used. The spacers may NOT allow adjustment of the installed height of the spring without spring removal. The rear suspension shall conform to ~~7.33.5~~⁵⁴⁶ 7.33.6⁵⁴⁷

~~7.33.6~~⁵⁴⁸ 7.33.8⁵⁴⁹ Any non-remote reservoir shock absorbers, of any origin, that are readily available to the public from a retail source for less than \$800 a pair may be used provided they attach to the OEM stock unmodified mounting points and do not alter the stock geometry, with the exceptions outlined in

~~7.33.8~~⁵⁵⁰ 7.33.10⁵⁵¹ below.

~~7.33.7~~⁵⁵² 7.33.9⁵⁵³ Suspension bushing material is unrestricted.

~~7.33.8~~⁵⁵⁴ 7.33.10⁵⁵⁵ All cars may adjust the camber and caster of the front wheels by the use of eccentric bushing at the control arm pivot points, by the use of eccentric bushings at the strut-to-bearing-carrier joint and/or by the use of slotted adjusting plates at the top mounting point. If slotted plates are used, they shall be located on the existing chassis structure and shall not serve as reinforcement for that structure. Some minor trimming of the chassis strut tower opening is allowed to provide for additional suspension adjustment. In lieu of caster / camber plates, late model GM cars may elongate the upper and lower control arm slots for purposes of increasing the caster and camber range.

~~7.33.9~~⁵⁵⁶ 7.33.11⁵⁵⁷ Front caster and camber on all cars is open.

~~7.33.10~~⁵⁵⁸ 7.33.12⁵⁵⁹ Maximum rear camber on all cars is 0.6 degrees negative.

~~7.33.11~~⁵⁶⁰ 7.33.13⁵⁶¹ Alternate outer steering tie rod ends that allow adjustment for bumpsteer may be installed as long as their installation does not require any welding, or cutting to the spindle or inner tie rod ends. Drilling the steering arm to accept an aftermarket bumpsteer kit is allowed, but no other modifications to the spindle are permitted.

~~7.33.12~~⁵⁶² 7.33.14⁵⁶³ Aftermarket steering shafts or shaft components, defined as the components connecting the steering rack/box to the steering column, may be used.

~~7.33.13~~⁵⁶⁴ 7.33.15⁵⁶⁵ The sway bar(s) may be removed or any OEM ~~factory~~⁵⁶⁶ sway bar(s) ~~may be updated/backdated~~⁵⁶⁷ within the ~~years, make and model~~⁵⁶⁸ following⁵⁶⁹ groups ~~as follows~~⁵⁷⁰ may be used on cars within that group⁵⁷¹:

1. 1982-92 Early⁵⁷² GM Camaro and Firebird⁵⁷³ (~~all OEM~~⁵⁷⁴ submodels⁵⁷⁵ ~~eq-RS, Z28, IROC,~~ including 1LE)⁵⁷⁶

2. 1993-2002 Late⁵⁷⁷ GM Camaro and Firebird⁵⁷⁸ (~~all OEM~~⁵⁷⁹ submodels⁵⁸⁰ ~~eq RS, Z28, SS etc~~)⁵⁸¹
3. 1979-2004* Early⁵⁸² Ford Mustang (~~including~~⁵⁸³ and Capri, all OEM submodels except⁵⁸⁴ Cobra ~~and Saleen models~~⁵⁸⁵ R⁵⁸⁶
4. 2005-2011 Late Ford Mustang, GT and V6 base model only⁵⁸⁷

* Note: 1979-1993 Fords may modify the front sway bar mount to enable use of 1994-2004 sway bars.⁵⁸⁹
~~7.33.14~~⁵⁹⁰ 7.33.16⁵⁹¹ Sway bar end links may be any length but must use OEM style ends

7.34 Torque Box Repair

All cars are allowed to repair or reconstruct the rear lower control arm body attachment points within the following restrictions:

1. The attachment point must remain in the OEM Stock location and maintain the same geometry.
 2. All additional reinforcement material or welding of existing material must be within 12" of the centerline of the mounting point hole.
 3. None of the additional reinforcement may penetrate the ~~floorpan~~⁵⁹² floor pan⁵⁹³ or enter the interior of the car.
 4. None of the additional reinforcement may attach directly to the rollcage or rollcage mounting points
- Ford cars are additionally allowed to completely weld the rear upper control arm body attachment points within the following restrictions:
1. The attachment point must remain in the OEM Stock location and maintain the same geometry.
 2. All welding of the existing material must be within 10" of the centerline of the mounting point hole.

8. CMC2 ALLOWED MODIFICATIONS⁵⁹⁴

8.1 CMC2 Class Specific Modifications⁵⁹⁵

~~In addition to section 7 above, the following rules apply to CMC2 class cars.~~⁵⁹⁶

8.2 Update/Backdate Body Components⁵⁹⁷

~~2005-2008 Ford Mustang models may update/backdate OEM body components, unit body, and subframes between these model years.~~⁵⁹⁸

8.3 Fenders / Quarter Panels⁵⁹⁹

~~Ford vehicles~~⁶⁰⁰ ~~up to and including 1993 may modify the OEM fenders / quarter panels (including adding aftermarket flares) and body mounts as needed in order to gain track width up to~~⁶⁰¹ ~~a maximum of 72.5".~~⁶⁰²
~~The resulting bodywork modifications must conform~~⁶⁰³ ~~with~~⁶⁰⁴ ~~CCR 18.1.3 and must have no other function than to gain tire clearance.~~⁶⁰⁵ ~~Track width will be measured~~⁶⁰⁶ ~~using two metal plates similar to the Longacre #7950 toe plates~~⁶⁰⁷ ~~placed flush against the tire~~⁶⁰⁸ ~~. Measurements will be taken three inches from the ground at the front and rear of the tire and averaged to calculate final track width.~~⁶⁰⁹

8.4 Rear Wings⁶¹⁰

~~Any non-driver adjustable~~⁶¹¹ ~~rear spoiler/wing that fits the following criteria may be used~~⁶¹² ~~.~~⁶¹³

1. ~~A vertical line from every point on the~~⁶¹⁴ ~~wing and end plates must intersect the~~⁶¹⁵ ~~vehicle~~⁶¹⁶ ~~body/bumper when the vehicle is on a level surface.~~⁶¹⁷
2. ~~The maximum height of any point on the~~⁶¹⁸ ~~wing from any point on the deck lid/rear hatch may not be greater than 12 inches.~~⁶¹⁹
3. ~~The overall depth (leading edge to trailing edge) including end plates may not be more than 12 inches.~~⁶²⁰⁶²¹

4. ~~The~~⁶²² ~~wing and mounts as installed must be readily available to the public from a retail source for less than \$700.~~⁶²³

8.5 Engine⁶²⁴

~~8.5.1 Any 4.6 Ford, 5.0, (302 Ford or 305 GM), 5.7 liter GM V8 production engine, in OEM stock configuration unless otherwise stated in these rules, that was originally offered in an eligible model car is legal. Cobra R~~
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~~model engines (Ford) and LT4 (GM/Chevrolet) engines or engine components are prohibited. Additionally, early GM cars may run an LT-1 from the 93-97 Late GM cars as long as the stock LT-1 engine controlling electronics are maintained.~~^{625 626 627 628 629 630}

~~8.5.2 Early GM 305 cars may use up to 1.6 ratio individual stud mounted roller rocker arms.~~^{631 632}

~~8.5.3 Ford 5.0 cars may use Explorer/Mountaineer GT40P heads and intake manifolds.~~^{633 634}

~~8.5.4 Ford 5.0 cars may use Ford Racing E303 camshafts.~~⁶³⁵

~~8.5.5 Any of the following unmodified aftermarket components (and only these components) may be substituted on a CMC1 or CMC2 legal Ford 5.0 liter (302ci) V8 long block to create a carbureted, spec CMC2 Ford engine:~~⁶³⁶

- ~~1. Holley carburetor 600cfm-4bbl #4776~~⁶³⁷
- ~~2. Edelbrock Performer RPM intake manifold #7121 or #7521~~^{638 639}
- ~~3. Ford Racing B303 camshaft~~^{640 641}
- ~~4. Ford OEM distributor (non-computer controlled)~~⁶⁴²

~~8.5.6 Any of the following unmodified aftermarket components (and only these components) may be substituted on a CMC1 or CMC2 legal GM V8 long block to create a carbureted, spec CMC2 GM engine:~~⁶⁴³

~~5.0 liter (305ci)~~⁶⁴⁴

- ~~1. Holley carburetor 600cfm-4bbl #4776~~⁶⁴⁵
- ~~2. Edelbrock Performer intake manifold #2116, 7116, or 7516~~⁶⁴⁶
- ~~3. Comp Cams camshaft #12-238-2~~^{647 648}
- ~~4. GM L31 #12558060 or L35 #12552520/12558059 heads~~^{649 650}
- ~~5. GM OEM H.E.I. distributor (non-computer controlled)~~^{651 652}

~~5.7 liter (350ci)~~⁶⁵³

- ~~6. Holley carburetor 600cfm-4bbl #4776~~^{654 655}
- ~~7. Edelbrock Performer intake manifold #2116, 7116, or 7516~~^{656 657 658 659}
- ~~8. GM Camshaft #24502476~~^{660 661}
- ~~9. GM L31 #12558060 or L35 #12552520/12558059 heads~~^{662 663}
- ~~10. GM OEM H.E.I. distributor (non-computer controlled)~~⁶⁶⁴

~~8.5.7 1998-2002 GM 5.7 LS1 cars may use Canton P/N 13-270A oil pans~~⁶⁶⁵

~~8.5.8 Early GM 305 and Ford 5.0 cars may use shorty style headers. Ford 4.6 2V cars may use long tube headers.~~^{666 667 668 669 670}

~~8.5.9 Early GM 305 TPI cars may use GM L31 Vortec #12558060 or L35 #12552520/12558059 heads, and Edelbrock 3817 TPI base manifolds.~~^{671 672 673 674 675}

~~8.5.10 Early GM 305 TPI cars may use 24lb injectors as long as the stock fuel rails are used.~~^{676 677 678}

~~8.5.11 Any valve springs, spring seats, retainers, keepers, shims, and locks may be used provided they are the same metal as OEM and are mounted to the OEM valves. Lash caps may only be used if present on the OEM setup.~~^{679 680}

~~8.5.12 Ford 4.6 2V cars may use an external base timing adjuster such as Steeda #555-3410 as long as the adjuster serves no other purpose other than to adjust base timing and the timing is visually verifiable.~~^{681 682 683}

~~8.6 Wheels and Tires~~⁶⁸⁴

~~Maximum wheel size is 17"x9.5" and minimum wheel weight for 17" wheels is 18lbs. Maximum tire size is 275/40R17. The allowed tire is the Toyo Proxes RA1.~~^{685 686 687}

~~8.7 Brakes~~⁶⁸⁸

~~8.7.1 Maximum front rotor size for all cars is 13.1" diameter and 1.31" thickness~~^{689 690}

~~8.7.2 All cars may use any single line, aluminum bodied caliper with four or fewer pistons that is readily available to the public from a retail source for less than \$600 in the front. Modifications to the spindle/upright to mount an alternate caliper are allowed provided their only purpose is to mount an alternate caliper.~~

8.8 Suspension

~~8.8.1 Late model Ford (2005+) cars may use a threaded collar and adjustable spring seat assembly for the front suspension, but the distance between the bottom of the threaded collar around the shock to the bottom of the spring seat must be the same on both front assemblies at all times within a 1/8" tolerance. Spring spacers/shims may be used. The spacers may NOT allow adjustment of the installed height of the spring without spring removal.~~

~~8.8.2 Late model Ford (2005+) cars may remove or update/backdate sway bars between those model years.~~ **9. SCORING SYSTEM**

9.1 Race Points:

Points shall be awarded as follows:

1 st	100 points	6 th	91 points
2 nd	97 points	7 th	90 points
3 rd	95 points	8 th	89 points
4 th	93 points	9 th	88 points
5 th	92 points	10 th	87 points

Points will continue in a descending order, subtracting one point for every position after the 10th. All cars that start the race shall be considered finishers. Points from the lowest scoring 20% of the season's total number of races shall be dropped from each driver's total for purposes of calculating the season total. Rookie points will be awarded the same, except the lowest scoring 33% of the season's total number of races shall be dropped.

Races resulting in a DQ due to a driving penalty will result in zero points but these may be dropped from the annual points total. Races resulting in DQ for all other penalties, or missed as a result of suspension for the same will result in zero points which may not be dropped from the annual points total.

9.2 Qualifying Points

The driver who is awarded the top qualifying position for each qualifying session shall be given an additional point for each pole position earned added to their season total points after applying drops.

10. CMC DIRECTORS/WEB PAGE

Any questions concerning the CMC class should be directed to the CMC Board of Directors or your region's Regional Coordinator.

CMC Directors	
Al Fernandez CMC National Chief Director 925-408-7303 (cell), 936-321-0331 (home) charger@consolidated.net	
Adam Ginsberg Northern and Southern California 214-505-2921	Al Watson North East 908-447-5788

CMC Directors	
Adam.ginsberg@shrackracing.com	Al_streetmotorsports@hotmail.com
Bryan White MidWest and Great Lakes 309-648-9832 (cell) roadracerwhite@gmail.com	Chris McComb Rocky Mountain 719-237-8850 (cell) chris-race@mccomb.org
Ed McGuire South East Ed_McGuire@hotmail.com	Glenn Landrum Texas 817-350-3542 (cell) Glenn_Landrum@msn.com
Kent Lydic Mid Atlantic 703-509-0401 (any time) Dircmceast@aol.com	Nick Steel Southern California 818-437-9925 (cell) snicko@noid.org
Patie ⁷¹² Patrick ⁷¹³ Wehmeyer Florida 813-361-1688 Patrick.Wehmeyer@verizon.net	Todd Covini Texas ⁷¹⁴ Al National Chief Director and Advisor to CMC ⁷¹⁵ 713-252-3465 (cell) tacovini@aol.com

Additional CMC information, including annual schedule, points race and a public message board may also be found on the CMC Web page:

<http://www.camaronustangchallenge>⁷¹⁶ www.nasaponycars⁷¹⁷ [.com](http://www.nasaponycars.com)⁷¹⁸



**American Iron & Camaro Mustang Challenge
2012 Dyno Test Data and Vehicle Specification Sheet**

Owner: _____ Car#: _____ Class: _____ Engine CID: _____

NASA Log Book # _____ Vehicle Year: _____ Make and Model: _____

Items to be certified (if applicable):

1. Ignition Timing: _____ deg. adv. @ idle. _____ Not Applicable
2. Idle RPM: _____
3. Fuel Pressure: _____ psi. (Fuel Injected only)
4. Carb Jet or Rod sizes: _____ Primary _____ Secondary _____ Not Applicable
5. Restrictor size, # of orifices, diameters, thickness: _____ Not Applicable
6. Exhaust Configuration:
 - a. Primary Header pipe size: _____ inches or check if stock _____
(Check all that apply)
 - b. ___ Single ___ Dual c. ___ X-pipe ___ H-pipe ___ Y-pipe
 - d. Muffler Type: _____ Inlet size: _____ inches
 - e. Tail Pipe location: _____ Outlet size: _____ inches

7. List any additional modifications and or parts to bring vehicle to recorded power listed in section 10. (Use reverse side if needed):

8. Altitude of dyno shop: _____ ft
9. Rear tire pressure set at 30lbs before run? ___ Yes
10. Hood open for dyno pull? ___ Yes
11. Dynojet set to correct to SAE J1349, smoothing 5 ___ Yes
12. Reading between 165-210 degree water temp : _____ HP _____ Torque
 Reading between 165-210 degree water temp: _____ HP _____ Torque
 Reading between 165-210 degree water temp _____ HP _____ Torque

Average of three runs above: _____ **HP** _____ **Torque**

Minimum Weight as per class rules: _____ **Pounds**

Owner's Signature Date

Dyno Operator's signature Date

Name

AI/CMC Dynamometer Inspection Procedures

1. Only dyno runs on DynoJet brand dynamometers are acceptable.
2. One dyno report may be performed and used for the entire season provided that:
 - a. It is performed after the last event of the prior season and before the first race entered for the season.
 - b. No performance modifications are made to the car.
3. All dyno readings must be corrected to SAE J1349 Rev JUN90 (29.23 in/hg, 77F, zero humidity) and the dyno's smoothing function must be set to 5
4. Car must be in "ready to race" configuration with regards to engine and drivetrain.
 - a. American Iron Class: All engine or drivetrain components that are *adjustable and affect power* (carb jets, timing, restrictors, etc.) must be explicitly allowed by the **vehicle**⁷¹⁹ **car**⁷²⁰'s class rules, must be written down in section 1 - 6 of the inspection sheet, and must match at all times.
 - b. Camaro Mustang Challenge Class: All engine or drivetrain components that are *not stock and affect power or are adjustable* (restrictors, air intakes, timing, etc.) must be explicitly allowed by the **vehicle**⁷²¹ **car**⁷²²'s class rules, must be written down in section 1 - 6 of the inspection sheet, and must match at all times.
5. Rear tires must be set to 30psi.
6. Hood shall be open during dyno test runs.
7. Electric engine fans and or external cooling fans may be used.
8. Dyno pulls will be made in 4th gear or at a 1:1 ratio.
9. Altitude of the dyno shop must be recorded. Dyno runs made at locations with elevation greater than 1,500 feet higher than the track will not count as being valid at that track. Class Officials may decide to waive this requirement for certain circumstances. **Check with your local class director ahead of time.**
10. Three consecutive runs shall be made under full power. The RPM range shall be consistent for all three runs. Starting RPM shall be no higher than 2000. Ending RPM shall be clearly beyond max horsepower.
11. Dyno runs shall be made with water temperature in the normal operating range of 165F-210F and drivetrain fluids up to a normal running temperature. (A "practice pull" is highly recommended prior to 3 consecutive runs to ensure proper drivetrain temperatures.) Water temperature may be verified using external temperature measurements such as an infrared temp gun at a **the**⁷²³ thermostat housing or a metal tube section of the line returning water to the radiator.
12. The peak horsepower and torque of each run will be noted on the inspection sheet.
13. The average of the three consecutive runs will be calculated and noted on the inspection sheet. This average horsepower and torque number is what must be used to determine the **vehicle**⁷²⁵ **car**⁷²⁶'s required minimum weight, using the car's specific class weight rules.
14. One dyno certification may be valid for an entire race season as long as no performance modifications are made to the car.
15. All HP & TQ results will be rounded to whole numbers. In the case where the measurement falls exactly on the halfway point (.50), it shall be rounded down in favor of the competitor i.e.- 260.50 = 260 and 260.51 = 261