



MADISON Sports Car Club

60th 1954-2014

2016 Parking Lot Autocross

General Competition Rules

2016 Event Schedule

April 24	Madison International Speedway
May 15	Autocross School @ Jefferson Speedway
June 5	Jefferson Speedway
June 26	Rockford Aviators Stadium w/ SCCR
July 10	Madison International Speedway w/ SCCR
July 24	Jefferson Speedway
August 14	RA Motorplex w/ FVSCC (non-points event)
August 28	Madison International Speedway
September 11	Miller Park
October 9	RA Motorplex w/ FVSCC (non-points event)
August 7 (Saturday)	Subaru FI4t Fest (non-points event – see inside cover for more info)

Be sure to check www.madisonsportscarclub.com for the most up-to-date information

Cost \$30 member/\$40 non-member

\$35 member/\$45 non-member for RA Motorplex and Miller Park events

Schedule	Registration	7:30 AM – 8:30 AM
	Tech Inspection	7:45 AM – 8:45 AM
	Walk the Track	9:00 AM – 9:30 AM
	Driver's Meeting	9:30 AM – 9:45 AM
	Rookie Practice (steward discretion)	until 10:15 AM
	Timed Runs Start	10:30 AM
	Timed Runs End	TBD

www.madisonautocross.com



2015 Autocross Series

Welcome to the 2016 season – MSCC's 63rd!

We changed some stuff! New clarifications for non production-based vehicles, what defines specialty compound tires, eligibility for Fastest Time of Day, and a squeaky clean new class. Please read these GCR to capture all the rule and classing changes that have taken place for 2016.

Autocross Steward:

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FL4TFEST - August 6, 2016 at Madison International Speedway 7 am – 5 pm

Come and celebrate the Subaru Enthusiast Community!

Charity Automotive Event benefitting American Family Children's Hospital and Cars Curling Kids Car Show, Autocross, Rallycross, Food, Vendors, Prizes, Awards and More!!

All Makes and Models welcome!

Morning and afternoon competition sessions for track and dirt action!

Non-points Autocross – Point Series Rallycross (with WAG) – Subaru and non-Subaru classes available
2015 donation total topped \$2000! What will this year bring??

For more information and to register, see www.subaruFL4TFEST.com

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1 General Regulations

The rules and regulations set forth herein are designed for the orderly conduct of autocross events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all Madison Sports Car Clubs (MSCC) events. By participation in these events, all participants are deemed to have complied with these rules. No express or implied warranty of safety shall result from publication of or compliance with these rules and regulations. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to participants, spectators, guests, or others:

- 1.1 The Autocross Committee, having promulgated these regulations, may modify, add to, delete from, or grant exceptions to these regulations at any time.
- 1.2 The Autocross Committee reserves the right to prevent any entrant from participating in any MSCC event. Likewise, the Chief Steward of the Event may prevent an entrant from participating in any MSCC event. The event Chairman shall be responsible only for the administrative functions relative to planning, organizing, and running of the event. The Chief Steward of the Event shall have final authority over the safety and general conduct of the event, pertaining to competitive matters, rules, regulations, interpretations, etc.
- 1.3 It shall be the responsibility of participants to conduct themselves in a manner that is not prejudicial to the interest of the MSCC or bring unnecessary criticism to the MSCC.
- 1.4 The Chief Steward of the event is the final authority for the general conduct of the event in accordance with these rules and the supplementary regulations for the event.
- 1.5 The Autocross Committee reserves the right to postpone or cancel any scheduled event.
- 1.6 The participant, in signing the entry form for any MSCC event, elects to use the course of the event at his or her own risk, and thereby releases and forever discharges the MSCC, together with its heirs, assigns, officers, representatives, agents, officials, employees, and others for death or any injury to body and/or reputation, that may be received by said participant, and for all claims of said injuries to parties listed above growing out of, or resulting from the event contemplated under the entry form, or caused by any construction or condition of the course over which the event is held.
- 1.7 By the mere fact of entering a MSCC event, every participant or guest agrees to abide by the regulations and the supplementary regulations pertaining to that event, and recognizes as the only authority the Chief Steward of the Event, and the Autocross Committee of the MSCC.
- 1.8 Only officials may use motorcycles, mini-bikes, etc., in the paddock area
- 1.9 Riding on the exterior bodywork on vehicles in the paddock is prohibited. The event participant is responsible for the conduct of their guests and crew.

2 Event Insurance

Insurance for the event shall meet the minimum requirements as established by the MSCC Board.

3 Eligibility of Participants

Anyone age eighteen (18) or older with a valid driver's license from their state of residence and with an acceptable vehicle can compete. Minors 16 & 17 years of age may compete with a valid driver's license and only with the presence of a legal guardian. Additionally, children age eight (8) and up may compete in the Kart class. See Kart rules in section 17 for further details. Minors competing must have a legal guardian sign a Minor Waiver at the track and the guardian must be present at the track for the entire length of the event.

3.1 Competitors are only allowed to enter one vehicle in one class per event.

4 Course Rules, Scoring, Trophies, Series Championship

4.1 Course Rules

4.1.1 If a competitor's vehicle has three or more wheels off of the track's paved surface during a timed run, then that timed run shall be forfeited and no time shall be counted toward the competitor's best time of the day.

4.2 Working

4.2.1 All entered competitors are required to work during the day. The Chief Steward determines the number of work shifts. Failure to fulfill your work assignment(s) will result in a disqualification for the day with no refund. Repeated offenders will be denied entry to MSCC events. The competitor may find someone to substitute for their work assignment, however the original competitor remains the responsible party for fulfilling his or her duties.

4.2.2 Sitting down, while working on a hot course, will result in an automatic DNF of your fastest timed run due to safety reasons. T&S workers are excused from this requirement.

4.2.3 While working on course, for safety reasons, workers must have shirt, pants/shorts and shoes on at all times.

4.3 Penalties

4.3.1 Pylons. A 2-second penalty will be added to the competitors run time for each pylon that is knocked down or has been moved completely out of its defining box. Cones already lying down, including pointer cones, do not count towards penalty. Missing a gate entirely or taking a slalom on the wrong side, if defined, results in a DNF.

4.3.1.1 If a pylon is out of place, it is the driver's responsibility to slow down and point it out to a corner worker. The driver will get a rerun, provided they haven't already DNF'd, and the pylon is actually out of place as verified by the corner workers. If the driver does not point it out, the run will count as normal.

4.3.2 No Pylons. Courses defined by something other than pylons, i.e. road surface, do not have time penalties. However, placing more than two wheels off the course surface results in a DNF.

4.3.3 In the case of a rerun, any penalties assessed during the aborted run will not carry forward to the rerun.

4.3.4 The Chief Steward decides on disputes over penalties. In most instances, the chief steward will side with penalties assigned by the corner workers.

4.4 Scoring

4.4.1 The Best timed run for each competitor in each class will be compared to determine class winner. Fast Time of Day will be awarded to the automobile driver with the overall fastest time of the day, if any Karts are entered.

4.5 Trophies

4.5.1 Small classes may be combined for trophy reasons at the discretion of the Chief Steward.

4.5.2 At each event trophies will be awarded to the top (30) thirty percent of each category/class. Additional trophies may be awarded at the discretion of the Chief Steward.

4.6 Series Championship

4.6.1 Points earned in one category/class cannot be combined or transferred with those earned in another category/class.

4.6.2 To be eligible for a Series Championship an entrant must (1) be a member of MSCC and (2) have run in at least 51% of the points events in the series within the same category/class of competition. If a competitor becomes a member of MSCC during the year after one or more events have been held, points earned in the previous events prior to membership will be credited. All Series Championship winners will receive a year-end trophy.

- 4.6.3 At each event, series points are awarded based on a numerator/denominator formula, with the best time of the fastest competitor in each category/class being divided by each successive competitor's fastest run in the same category/class. Points will be computed to the nearest whole point. For example, the fastest time in CS is 1:30.00 and the second fastest competitor's time in CS is 1:32.67. The fastest time in a category/class is 1000.00 points. The second place competitor's points earned are $1:30.00 / 1:32.67$ or $1.5000 / 1.5445$ or 971.19. Should a competitor fail to obtain a bona fide timed run due to a mechanical failure or DNF, and no refund was made for their entry, then they shall score 2 points.

5 Technical Inspection

- 5.1 Entrant Responsibility Technical inspectors check the entrants verification of safety related items per the MSCC Technical Inspection Sheet for Autocross events. These items include, but are not limited to:
- 5.1.1 Adequate brake pedal, brake fluid level, wheel bearing play, empty trunk, including the removal of spare tire and jack, no leaking fluids, lug nuts present and torqued properly, tire tread depth, hot battery post covered and/or taped, operating brake lights and removal of driver's side floor mats.
 - 5.1.2 All trim rings, hub caps, or decorative wheel accessories which are not firmly attached to wheels with threaded fasteners or safety wire shall be removed prior to technical inspection and competition.
- 5.2 Numbers Technical inspector will verify car numbers and class/category are on the sides of the car. Numbers are assigned at Registration. Entrants must provide their own permanent or temporary numbers on the sides of the vehicle. These numbers shall be of a contrasting color and a minimum of six inches in height and one inch stroke. For multiple entrants in one vehicle, only one number shall be displayed for each run. Shoe polish is not allowed to mark numbers.
- 5.3 Helmets A Snell approved helmet, with sticker, is required and will be inspected at Technical Inspection. All helmets shall include a sticker indicating a Snell SA (recommended) or M 1990, or later, Rating.
- 5.3.1 It is highly recommended that helmets include a Snell rating of SA 2000 or later.
 - 5.3.2 Drivers of open cars shall wear goggles or face shields. It is highly recommended that all drivers equip themselves with full coverage helmets, a fire-resistant head sock, a fire-resistant driver's suit, and full backed, non-perforated, fire-resistant gloves.
 - 5.3.3 It is highly recommended that all drivers utilize arm restraints.

5.4 Apparel

5.4.1 Drivers and instructors shall wear:

5.4.2 Closed, full-toed shoes while in the car.

5.5 Roll Bars or Roll Cages Roll bars or roll cages are strongly recommended in all vehicles when constructed in accordance with subsection 11.1 of the MC GCR.

5.6 Seat and Shoulder Belts Original equipment manufacturers (OEM) installations are typically acceptable; however, it is strongly recommended that construction and installation for all vehicles be upgraded to a system conforming to Section 13, Lap Belt and Harness System

5.7 Lap Belt and Shoulder Harness System It is recommended that vehicles with a lap belt and shoulder harness system include replacement of the driver's seat with a racing seat. Vehicles competing in a category/class that require a lap belt and shoulder harness system in the MCSCC high-speed series will not be assessed points for replacement of driver's seat.

5.8 Windows Vehicles on the track during practice sessions and timed runs shall have both front side windows fully open. All other windows shall be fully closed. The Chief Steward has the option to change this rule as the situation arises.

5.9 Window Nets Window nets are highly recommended in all Modified category and Race category vehicles.

6 Class/Category

6.1 Category

- 6.1.1 Five main categories are used in the Autocross Series, with individual classes in each category. The five categories are listed below.
- 6.1.2 Determination for class is based on Section 7, Point Assessment Schedule, Vehicle type and displacement for Race, or Kart.
 - 6.1.2.1 Stock Category: There are ten (10) stock classes; XS, AS, BS, CS, DS, ES, FS, GS, HS, IS.
 - 6.1.2.2 Prepared Category: There are ten prepared classes; XP, AP, BP, CP, DP, EP, FP, GP, HP, IP.
 - 6.1.2.3 Modified Category: There are ten modified classes; XM, AM, BM, CM, DM, EM, FM, GM, HM, IM.
 - 6.1.2.4 Race Category: There are five (5) race classes
 - 6.1.2.4.1 Classes
 - 6.1.2.4.1.1 AR Closed wheel vehicles with engines 3.96L and over, or with supercharged/turbocharged engines 2.60L and over.
 - 6.1.2.4.1.2 BR Closed wheel vehicles with engines over 2.60L and under 3.95L, and any supercharged/turbocharged engine less than 2.59L.
 - 6.1.2.4.1.3 CR Closed wheel vehicles with engine less than 2.59L.
 - 6.1.2.4.1.4 DR Open wheel vehicles with 1600cc engine and over.
 - 6.1.2.4.1.5 ER Open wheel vehicles up to 1600cc engines.
 - 6.1.2.4.2 Sports racers and other non-production based vehicles (e.g. tube frame chassis) will be classified as open wheel vehicles.
 - 6.1.2.4.3 Sports Renault will be classified as ER.
 - 6.1.2.4.4 Rotary motors will be considered to have a displacement 1.8 times their actual displacement.
 - 6.1.2.5 Kart
 - 6.1.2.5.1 There are two (2) classes: Kart, Junior Kart. See section 17 for kart specifics.
 - 6.1.2.6 Not Otherwise Classed (NOC)
 - 6.1.2.6.1 NOC Vehicles are any vehicle that is not listed in the Classification List in a class for the event. The Chief Autocross Technical Inspector will place the vehicle into a class for the event. If the vehicle is later officially classified to a different class, championship points earned from the event will be voided. The points will not be transferred to another class.

7 Point Assessment Schedule

- 7.1 Options not available directly from the factory, such as dealer installed parts, are considered performance modifications. (i.e. larger wheels, sport packages, etc.)
- 7.2 The point assessment schedule will be used to place a vehicle into the proper category when any modifications are made to the vehicle. "Bumping" of a vehicle will occur when certain modifications are judged to offer a competitive advantage to other vehicles in the prescribed category. Points are assessed at technical inspection for such modifications. The addition of modification points, if any, is used to determine when a vehicle is to be bumped to a higher category.

Point Assessment Schedule

<u>Total Points</u>	<u>Category</u>
0-2	Stays in Stock Category
3-7	Bump to Prepared Category
8-17	Bump to Modified Category
18 and over	Bump to Race Category

7.3 Points will be assessed at technical inspection as follows:

Tires, Wheels and Suspension

Specialty compound tires	3
Change of rim width, per full inch increment of increase	1
Change of rim diameter, increase OR decrease, per full inch changed	1
Suspension bushing replacement, excluding sway bars and shock absorbers.....	1
Sway bar revision or addition: Front=1; Rear=1	
Change of Spring Rate	2
Other/additional suspension modification, including panhard rod or trackbar.....	2
Camber plates or other alignment hardware enhancements or changes, per axle	1
Chassis stiffening (per each system)	1
Brake conversion, including LB1 option	2

Engine

Engine displacement change (per each 3% increase).....	1
Engine swap, except for exact replacement of original	2
Removal or tampering with emission control device, per device	1

Air intake path modification (does not inc. filter element)	1
Intake manifold change or adaptor without carb or fuel injection change	1
Carburetor or fuel injection revision on stock manifold.....	2
Carburetor or fuel injection revision with non-stock manifold.....	3
Camshaft change	2
Valve size change and/or head modifications	2
Computer module change	2
Computer module change with OEM forced induction.....	3
Exhaust manifold change	1
Open exhaust and/or muffler removal.....	2
Exhaust system enhancement (beyond manifold & converter changes).....	1
Accessory drive revisions, including underdrive pulleys	1
Turbo/supercharger system modification or replacement	3
Turbocharger or supercharger addition, not including Intercooler	4
Intercooler change or replacement	3
Intercooler addition.....	4

Other

Final gear ratio change less than or equal to 20% (from stock or factory delivered option)	2
Final gear ratio change greater than 20% (from stock or factory-delivered option).....	3
Limited slip differential (addition, modification)	2
Replacement of driver’s seat with racing seat (Only for vehicles which do not require a lap and shoulder harness)	1
Obvious attempt of weight reduction or weight transfer i.e.; removal of each bumper, removal of or replacement of each body panel, each Plexiglas window panel, relocation of battery, etc., per modification (first modification=2; subsequent modification=1; maximum=4)	

1-4 Other points may be assessed for modifications not stated here by the Chief Tech Inspector (1 point maximum per modification).

8 Tires

8.1 In the Stock category only standard production DOT labeled tires are allowed. "Special Construction" or "Specialty Compound" tires are not allowed in the Stock category. "Specialty Compound" tires are defined as those labeled with a UTQG of less than "200". Tires can be of any size as fitted on stock, replacement, or aftermarket rims (see Point Assessment Schedule for size). Tires must have a minimum of 1/32 inch of tread on 80% of its treaded surface.

- 8.2 In the Prepared category only DOT labeled tires are allowed, including "special construction" or "specialty compound" tires. Tires can be of any size as fitted on stock, replacement, or aftermarket rims (see Point Assessment Schedule). Tires must have a minimum of 1/32 inch of tread on 80% of it's treaded surface.
- 8.3 In the Modified category any DOT labeled tire is allowed. DOT labeled tires must have a minimum of 1/32 inch of tread on 80% of it's treaded surface.
- 8.4 In the Race category any tire is allowed. Non-DOT ('Racing') tires are allowed in the Race category only.
- 8.5 Any tire is subject to disqualification by the Chief Technical Inspector if any visible discrepancy or defect is noted.

9 Suspension Bushings

- 9.1 Suspension bushings are free on sway bars and shock absorbers only.
- 9.1 Shock absorbers are free. Number and size must remain as factory equipped and mounting locations cannot be changed. If number and size of shocks and/or mounting locations are changed, it will be considered as suspension modifications and points will be assessed. Bushing material is free

10 Brakes

- 10.1 Cross drilled or slotted rotors, same size as stock, are free. Brake ducts are free.

11 Nitrous Oxide

- 11.1 Nitrous oxide use will not be allowed; bottles must be removed from the vehicle if installations exist. Those caught with bottles in place while on track will be DSQ with no refund. Repeat offenders will be denied entry to future MSCC events.

12 Roll Bars or Roll Cages

- 12.1 Roll bars shall be constructed and installed as mandated in Appendix Z of the current Midwestern Council (MC) GCR. As an alternative to roll bars, vehicles may include a roll cage. The construction and installation of roll cages, if used, shall conform to Appendix ZZ of the current Midwestern Council GCR.
- 12.2 Roll bars or roll cages will not be assessed points for chassis stiffening. Removal of the rear seat or other interior panels for installation of the roll bar or roll cage will not be considered as weight deduction penalties.

13 Lap Belts and Harnesses Systems

- 13.1 Drivers competing in vehicle equipped with a roll bar, roll cage shall utilize the upgraded lap belt and harness system, as described within this section, or as described in "Safety Equipment" of the MC GCR.

- 13.2 Instructors riding in any vehicle equipped with a roll bar or roll cage shall utilize the upgraded lap belt and harness system, as described within this section, or as described in "Safety Equipment" of the MC GCR.
- 13.3 Lap belt and harness systems shall consist of a positive locking single release system. The harness shall be mounted behind the driver and above a line drawn downward from the shoulder point at an angle of 40 degrees, plus or minus 5 degrees, with the horizontal. Two separate straps are preferable to a Y-type harness. If two separate straps are used, it is permissible to use separate or common mounting points. If a common mounting point is used, it must be at least six (6) inches behind the drivers neck. In single seat vehicles, and those with bucket seats providing lateral support for chest and upper torso, mounting points may be located directly behind the seat back. The belts/straps shall be nylon or Dacron polyester of at least two (2) inch nominal width. The intent of this rule is to allow existing commercially available "harness systems" that are improvements over standard OEM seat and lap belt systems such as, or similar to, Schroth.
- 13.4 It is recommended that an anti-submarine belt be utilized; however, if used it shall include an upgraded lap belt and shoulder harness system with a positive locking metal to metal single release and it shall be mounted aft of the front edge of the seat and mounted to the floor structure of the vehicle in a secure fashion.

14 Updating and Backdating

- 14.1 Updating and backdating from model year to model year will be considered a modification and points will be assessed. Any vehicle with a non-original replacement engine will be placed into the fastest class of similar vehicle in which that engine is listed. Additional engine and exhaust modification points will be assessed as necessary based upon the lowest performance level of the replacement engine found in that (faster) class. Other modification points will be assessed as necessary based upon the vehicles original classification.

15 Class/Category of Entry

- 15.1.1 The entrant shall compete in the class/category as determined by the vehicle classification list and point assessment schedule, except that the entrant may choose to compete in a faster category. The entrant may not choose to compete in a faster class.
- 15.1.2 The entrant may volunteer to the technical inspector any point assessment total which is greater than that assessed at tech (i.e., same class faster category) (e.g., electing HP over HS)
- 15.1.3 The entrant may NOT elect to compete in a different class (e.g. a car that is classed as HS may elect HP, HM or the appropriate Race class. An HS car may not be entered as GS.)

16 Protests

- 16.1 Protest Settlement If a protest is filed at an event, a protest committee of three (3) Autocross Committee members will meet at the event to settle the protest. None of the members meeting shall be competing in the category/class of the subject protest. The final decision of the protest rests with the Chief Steward of the Event.
- 16.2 Classification of Your Own Vehicle If the entrant feels that his/her vehicle is in the wrong class, the appeal to reclassify the vehicle must be made with the Chief Steward of the Event fifteen (15) minutes prior to the entrants last timed run. All reclassification will be based on the vehicle's potential performance rather than the entrant's times.
- 16.3 Classification of a Competitors Vehicle To protest a competitor's vehicle the protest must be filed in writing with the Chief Steward of the Event fifteen (15) minutes prior to the competitors last timed run. All classification protests must be based on the vehicle's potential performance rather than the competitor's times.
- 16.4 Preparation of a Competitors Vehicle All protests regarding the preparation of a competitor's vehicle must be filed in writing with the Chief Steward of the Event fifteen (15) minutes prior to the competitors last timed run. If a complete mechanical disassembly is required, the cost for the inspection, disassembly and reassembly is to be borne by the protestor if the protest is disallowed; and, by the protested competitor if the protest is upheld. Each competitor is required to provide documentation that their vehicle is legal for the class it is in (i.e. Factory Service Manual).
- 16.5 Timing and Scoring Protest relating to Timing and Scoring must be made in writing to the event Chief Steward within 15 minutes of the final results being posted and prior to the trophy presentation.
- 16.6 Deadline No protests relating to vehicle classification (Subsections 16.2 and 16.3) or preparation (Subsection 16.4) will be heard after the final results are posted prior to the trophy presentation.

17 Karts

17.1 Event Operations

- 17.1.1 Karts will not be allowed to be driven under power through the paddock; they must be pushed either on the ground or on a portable stand.
- 17.1.2 A grid area must be established that is either separated from the regular car grid or grids karts with similar sized vehicles such as formula cars. Traffic flow to and from the grid area must be controlled.
- 17.1.3 If karts are allowed which require a push start, such as shifter karts, the grid area must accommodate this need adequately.
- 17.1.4 All karts will be run as a group or grouped with formula cars, and not intermixed on course with full-bodied cars. However, at the discretion of the Chief Stewards, karts may be allowed on course with full-bodied cars if the course design allows for safe separation, such as the start and finish areas being remote from each other.
- 17.1.5 Event procedures regarding karts will be announced at the drivers' meeting and will also be in written form for posting.

17.2 Kart Eligibility

- 17.2.1 Kart eligibility is limited to racing karts recognized and regulated by a national kart sanctioning organization (WKA, IKF, ISRA, NSKA, etc) with a maximum of one 125cc engine. 125cc shifter karts are the fastest karts allowed.
- 17.2.2 It is the responsibility of the kart entrant to provide the rules to which their kart is eligible and prepared.
- 17.2.3 Specific designation of classes is at the discretion of the hosting region as long as the above eligibility requirements are met.

17.3 Safety

- 17.3.1 Karts will be safety inspected as per applicable portions of section 3.3.3 of the Solo II rules. Particular attention must be paid to brakes, throttle action, and steering components.
- 17.3.2 Drivers are required to wear the following safety gear while competing:
 - 17.3.2.1 Snell approved 1985 "M" or later full face helmet with either goggles or a full visor integral with the helmet.
 - 17.3.2.2 Leather, heavy vinyl, or abrasion resistant nylon jackets and pants. Pants material may be substituted with heavy denim. One piece suits are highly recommended.
 - 17.3.2.3 Shoes, socks, and gloves.
 - 17.3.2.4 Collar-type neck brace designed for motorsports use.
- 17.3.3 When normally positioned in the kart for competition, the entirety of the driver shall be within the perimeter of the kart and the driver must be able to reach and operate all

controls. Loose cushions or pads are not allowed that prevent the driver from being adequately supported by the sides of the seat.

17.4 Kart Class

17.4.1 Frame/Dimensions

17.4.1.1 Chassis must be constructed of carbon steel alloy using traditional tubular construction. Nerf bars are required. Suspensions are prohibited. Differential mechanisms that allow the rear wheels to rotate at different speeds are prohibited.

17.4.1.2 Maximum width shall be 55 inches. Maximum length shall be 84 inches.

17.4.1.3 All karts shall have bodywork on the front (nose cone), steering column and sides. Bodywork may not extend past the rear nerf bar. No metal body parts are allowed. Belly pans are allowed providing they are fully confined within the frame rails. If a belly pan is used, it must be flat and parallel to the ground from a line drawn across the rear edge of the front tires to the rear axle. No skirts or vertical aerodynamic sealing devices are allowed to extend below the main frame rails (this does not include the front fairing). No wings allowed.

17.4.1.4 Minimum weight is 385 lbs. as raced, including driver. Minimum weight for women is 350 lbs. as raced, including driver.

17.4.1.5 All non-structural weights added to meet minimum weight requirements must be bolted securely to the vehicle using a minimum of 5/16" bolts using either nylock nuts, or nuts which are secured by cotter pin/safety wire or double-nutted. Weights may not be mounted to nerf bars.

17.4.2 Wheels and Tires

17.4.2.1 Wheels must be metallic.

17.4.2.2 TIRES: are limited to a maximum of 12.5 inches in diameter and a minimum of 9.0 inches in diameter. Width is limited to 5.5 inches for the front and 7.10 inches for the rear. Tire brand and compound may be specified at later date.

17.4.3 Brakes

17.4.3.1 Must work in such a manner to brake both rear wheels equally and adequately. Must have front brakes operating on each front wheel.

17.4.3.2 Must have a dual braking system operating front and rear wheels

17.4.4 Engine

17.4.4.1 Engines shall be a mass produced, single-cylinder, motocross motorcycle derives, up to 125cc displacement and a currently available production item. The TM Motocross 125 engine is also eligible. Engines must use OEM components unless otherwise specified.

17.4.4.2 BORE/STROKE: Bore must not exceed 1mm (0.040") greater than the stock, factory dimension. Stroke must be within plus or minus 0.010" of the stock, factory dimension.

- 17.4.4.3 CARBURETION: One carburetor, single venturi, floatbowl-type, 38mm in venturi size. Intake manifold and reed assembly unrestricted. Pumper-type carburetors and axle/electric fuel pumps are not allowed. Must use pulse-driven fuel pump.
- 17.4.4.4 CRANKSHAFT/CONNECTING ROD: Must be OEM components with no alterations, i.e., no boring of holes, no machining of surfaces or counter balances. Connecting rod and/or piston pin may not be altered. Polishing and/or shot peening is allowed, however, no lighting of reciprocating components is allowed.
- 17.4.4.5 CYLINDER AND CYLINDER HEAD: The cylinder and/or head, including ports, power valves, and castings, may be modified or machined subject to the requirements of V.D.6. Water inlets and/or outlets may be modified for aftermarket fittings and/or hoses.
- 17.4.4.6 EXTERNAL MODIFICATIONS: All exterior engine components must be recognizable as OEM parts. No aftermarket cylinders, heads, case halves, etc., are allowed. Kick starter may be removed and plugged.
- 17.4.4.7 IGNITION: Only OEM ignition components for specific engine(s) are allowed, except spark plug, spark plug cap, and plug wires, which are unrestricted.
- 17.4.4.8 EXHAUST SYSTEMS: Fixed pipes only. Must meet event specific noise limitations. (Note: a "spec" exhaust system may be specified at a later date for National level competition.)
- 17.4.4.9 PISTON ASSEMBLY: Open, including piston, ring, wrist-pin, and circlips. Coatings allowed.
- 17.4.4.10 TRANSMISSION: OEM cases and transmission gear ratios must be stock for engine used. It is the responsibility of the participant to produce verifiable documentation. Shifter mechanisms must be manually operated, no air or electric assisted shifters are allowed.
- 17.4.4.11 MISC. SPECS: Chain guards required on all engines. Overflow bottles for carburetor and radiator are mandatory. Clutch must be original oil-type. Dry clutches are prohibited.
- 17.4.5 Fuel Fuel must consist of gas and oil only. No oxygen and/or nitrogen bearing additives are permitted. Methanol is permitted as a fuel in karts for which it is a normal fuel within the rules of their sanctioning body. This currently includes the 5HP based 4-stroke karts covered herein.
- 17.4.6 Car Numbers Car numbers must be placed on each side and a rear plate. Numbers must be at least six inches tall with a minimum stroke width of three-quarters of an inch.
- 17.5 Junior Kart
- 17.5.1 All procedures described in section 17 apply unless otherwise noted
- 17.5.2 Junior Driver Eligibility
- 17.5.2.1 The minimum age is 12 years old.

17.5.2.2 Completed minor competitor waiver.

17.5.2.3 Attendance at Rookie Walk Through

17.5.3 Kart Eligibility

17.5.3.1 Kart eligibility is limited to racing karts using five horsepower based, four cycle engines of 100cc two-cycle engines with restricted mufflers and/or induction, recognized and regulated by a national kart sanctioning organization (WKA, IKF, etc.) for under 16 year old drivers

17.5.3.2 Engine eligibility limits will be consistent with the WKA standards for engine size, type, and modification for the driver's age.

17.5.3.3 Specific course designation of classes is at the discretion of the hosting region as long as the above eligibility requirements are met.

17.5.3.4 Mini Cup type cars utilizing a Honda 390 motor, a full roll cage, and safety harnesses are allowed for Junior Drivers.

Autocross Vehicle Classification List

Classing Notes:

NOC = Not Otherwise Classed

N/A = Naturally Aspirated SC = Supercharged

X (XS, XM, XP)

Alfa Romeo

4C

Audi

TT RS

BMW

Z8

Chevrolet

Corvette (C7 chassis)

Corvette Z06 (2015+)

Corvette ZR1 (2009-13)

Dodge

Viper (NOC)

Ford

Mustang Cobra R (1993, 1995, 2000)

Mustang Shelby GT350R (2016)

Lotus

Elise, Exige (non-SC) (2005-11)

Evora S

Mercedes-Benz

AMG (NOC)

Nissan

GT-R (2009-11)

Porsche

911 (991, non-GT3) (2012+)

911 (997 chassis) (2005-2012)

911 GT3 (996 & 997 chassis, non-RS)

911 Turbo (930) (1974-89)

911 Turbo (964, non-S, non-3.6S)(1989-94)

Boxster GTS (2015+)

Boxster S (2009+)

Boxster Spyder (2011-13)

Cayman GTS (2015+)

Cayman R (2012)

Cayman S (2009+)

SRT

Viper (2013+)

Tesla

Roadster (all) (2008-13)

A (AS, AM, AP)

- Acura
 - NSX Zanardi Edition
- Audi
 - TTS (2016)
- BMW
 - M3 and M4 (F80/F82)
- Cadillac
 - XLR
- Chevrolet
 - Camaro Z28, ZL1 (2012+)
 - Corvette (C6 chassis, non-ZR1)
 - Corvette Z06 (C5)
- Dodge
 - Viper (non-ACR) (2008-10)
 - Viper GTS (1996-2005)
 - Viper R/T (1992-2003)
 - Viper SRT-10 (2003-07)
- Ford
 - Mustang Boss 302 Laguna Seca (2012-13)
 - Mustang Shelby GT350 (non-R) (2016)
 - Mustang Shelby GT500 (2007-14)
- Honda
 - S2000 CR
 - Jaguar F-Type (non Project 7)
- Lotus
 - Esprit Turbo (1996-2004)
 - Evora (non-SC)
- Mazda
 - RX-7 (1993-95)
- Pontiac
 - Solstice GXP (Turbo)
- Porsche
 - 911 (996, non-turbo) (1998-2005)
 - Boxster S (2005-08)
 - Boxster (non-S, non-Spyder) (2009+)
 - Cayman (non-R, non-S) (2009+)
 - Cayman S (2006-08)
- Saturn
 - Sky Redline (Turbo)

B (BS, BM, BP)

Acura

NSX (non-Zanardi Edition)

Audi

RS 4 (2007-08)
RS 5 (2013+)
RS 6 (C5 chassis) (2003-04)
S3 (2015+)
S4 (2010+)
S5 (2008+)
S7 (2012+)
TT quattro (AWD) (2008+)
TTS (2009-2015)

BMW

1 Series M Coupe (2011-12)
M Coupe & Roadster (2001-02)
M5 (2004-10)
Z4 (incl. M) (2002+)

Cadillac

ATS (3.6L)

Chevrolet

Corvette (C4, all) (1984-96)
Corvette (C5, non-Z06) (1997-2004)

DeTomaso

Pantera
Mangusta

Honda

S2000 (non-CR)

Jaguar

XKR Coupe

Maserati

Coupe (2002-07)
GranSport (2004-07)
Spyder (2002-07)

Mazda

MX-5 Miata MS-R (2007)
Miata Club Sport (2003)

Mercedes-Benz

C32 AMG (2002-04)
CLA45 AMG
CLK55 AMG (2001-06)
E63 AMG (2010+)
SLK32 AMG (2002-04)
SLK350 (2005-15)
SLK55 AMG (2005-10)

Mitsubishi

Lancer Evolution (2003+)

Nissan

370Z (non-NISMO) (2009-15)

Pontiac

Solstice (non-turbo) (2007-10)

Porsche

911 (993, non-turbo) (1995-98)
968
Boxster (986 & 987, non-S) (1997-2008)
Boxster S (986 chassis) (2000-04)
Cayman (non-S) (2005-08)
Macan S & Turbo (2015)

Saleen

Mustang (non-SC)

Saturn

Sky (non-turbo) (2007-10)

Shelby

Cobra

Subaru

Impreza WRX STI (incl. Special Edition)
(2004+)

Toyota

Supra Turbo (1993½-98)

TVR

8-cyl
V6
V8
V12

Volkswagen

Golf R (2015+)

C (CS, CP, CM)

BMW

M Coupe & M Roadster (1996-2000)
M3 (E30 & E36) (1988-91, 1995-99)
Z3 (6-cyl, non-M) (1997-2002)

Chevrolet

Corvette (1963-82)

Chrysler & Plymouth

Prowler

Ferrari

308 & 328

Jaguar

XKE

Jensen

Jensen Healey

Lotus

7 & 7A
Eclat
Elan (RWD, all)
Elite (all)
Esprit (non-turbo)
Europa

Maserati

Biturbo

Mazda

MX-5 Miata (non-MS-R 2007) (2006-15)
MX-5 Miata (ND)
RX-7 Turbo (1987-91)
RX-8

Mercedes-Benz

SLK

Nissan

300ZX Turbo (1990-96)
350Z (non-NISMO) (2003-09)

Porsche

356 Carrera (4-cam)
911 (non-turbo, NOC)
911 Club Sport
914 (all)
928 (all)
944 (16v)
944 Turbo (all)
Carrera 2 & Carrera 4 (964) (1989-94)

Scion

FR-S (incl. RS 1.0)

Subaru

BRZ

Toyota

MR2 Turbo

D (DS, DP, DM)

Acura
Integra Type R

Audi
A3 2.0T (2015+)
A3 quattro (3.2L V6, AWD) (2006-09)
A5 (2008-15)
S4 (2000-03)
TT (1.8T, non-quattro/FWD) (2000-06)
TT (2.0T, non-quattro/FWD) (2008-09)
TT quattro (AWD) (2000-06)

Chevrolet
Cobalt SS (2.0L Turbo) (2008-10)

Eagle
Talon Turbo (AWD)

Lexus
SC 400 (1992-2000)

Mazda
Mazdaspeed6

MINI
Clubman JCW (2009-14)
Clubman S (2008-14)
Cooper Coupe JCW (2013-15)
Cooper Coupe S (2013-15)
Cooper JCW (2006-15)
Cooper Roadster JCW (2012-15)
Cooper Roadster S (2002-15)
Cooper S (2012-15)

Mitsubishi
Eclipse Turbo (AWD)
Lancer Ralliart (2009-15)

Saab
9-2X Aero (2.0L Turbo) (2005-06)

Subaru
Forester 2.5XT (2004-13)
Legacy 2.5GT (2005-12)
Impreza WRX (non-STI) (2001-15)

Volkswagen
Golf R (2012-13)
R32 (Golf chassis) (2004, 2008)

E (ES, EP, EM)

Alfa Romeo
2000 Spider
2000 GTV

BMW
Z3 (4-cyl) (1996-98)

Datsun
2000
240Z
260Z
280Z
280ZX (non-turbo)

Dodge
Charger Turbo
GLH Turbo

Fiat & Bertone
X1/9

Mazda
Mazdaspeed Miata (2004-05)
Miata (1990-2005)
RX-7 (non-turbo)

Morgan
4/4 & Plus 4

Pontiac
Fiero (V6)

Porsche
924 Turbo (Audi engine)
924S
944 (8v)

Shelby
Charger GLH-S (1987)

Sunbeam
Tiger

Triumph
TR-8

Toyota
MR2 (non-turbo)
MR2 Spyder
MR2 Supercharged

TVR
4-cyl
inline-6

F (FS, FP, FM)

AMC

AMX
Javelin (V8)

Audi

A6 (V8) (1997+)
A6 (V6 Supercharged) (2008+)
S4 (V8) (2004-09)

BMW

128i, 135i, & 135is (2008-13)
228i & M235i (F22) (2014+)
323i & 328i (E46) (1999)
328d (2014+)
328i (F30/F31/F34) (2012+)
3 Series (including 'd' and M3; E46, E90, E91, E92, E93) (2000-13)
428i & 435i (2014+)
5 series (NOC)
6 series coupe
8 series coupe
M5 (1988-93,2000-03)

Buick

Regal & GN & GNX (Turbo V6)

Cadillac

ATS (2.0L Turbo) (2013+)
CTS & CTS-V

Chevrolet

Camaro (V6) (2010+)
Camaro SS (base car only incl. GM installed 1LE) (1998-2002)
Camaro SS (incl. 1LE) (2010+)
Camaro (V8 non-supercharged, NOC)
Corvette (1953-62)

Chrysler

300 (incl. SRT8) (2004+)
Crossfire
SRT-6 (2005-06)

Datsun

280ZX Turbo

Dodge

Challenger (all) (2008+)
Charger (V8) (2006+)
Magnum (incl. SRT8) (2005-08)
Ram SRT10 (2004-06)
Stealth Turbo

Ford

Crown Victoria
Mustang Boss 302 (non-Laguna Seca) (2012-13)
Mustang Cobra (2003-04)
Mustang EcoBoost
Mustang GT (2010+)
Mustang Mach 1 (2003-04)
Mustang Shelby GT (T82 & 54U factory option package only) (2007-08)
Mustang SVT Cobra
Mustang V6 (2011+)
Mustang (V8, NOC)
Thunderbird (V8 & V6 Supercharged)

GMC

Syclone
Typhoon

Hyundai

Genesis Coupe Turbo (2013)
Genesis Coupe (V6) (2010+)

Infiniti

G35 & G37 Coupe & Sedan
Q45

Jaguar

X Type (3.0L) (2002-08)
XJ (1998+)
XJ-S (1976-96)
XK8 (1997-2006)
S-Type (incl R)
Sedan (12-cyl)

Lexus

IS (ALL incl F)
GS 400 (1998-2000)

Lincoln

LS (V8) (2000-06)
Mark VIII (1993-98)

Mercedes-Benz

C280 (2001-07)
C300 (2007+)
C320 (2001-05)
C350 (2007+)
C36 AMG
C63 AMG (non-Black Series) (2008+)
CLK
E55 AMG

Mercury

Capri (V8)
Cougar (V8 & V6 SC)

Mitsubishi

3000 GT Turbo

Nissan
 300ZX (non-turbo) (1990-96)
 300ZX Turbo (1984-89)

Pontiac
 Firebird (V8, NOC)
 Firebird Trans Am & Formula
 (WS6, base car only, including GMinstalled
 1LE) (1998-2002)
 G8 (V8 & NOC) (2008-09)
 GTO (2004-06)
 Trans Am Turbo (V6)

Porsche
 Panamera

Shelby
 GT350 (1965-70)
 GT500 (1967-70)

Tesla Motors
 Model S

Toyota
 Supra (non-turbo) (1993-98)
 Supra Turbo (1987-92)

Triumph
 Stag

**V8 sedans, pick-ups, and sedan-derived
 convertibles NOC**

G (GS, GP, GM)

Acura
 RSX Type S

Audi
 A3 1.8T (2015+)
 A4 (V6 & 4-cyl Turbo)
 A6 (V6 NOC & 4-cyl)
 A8 & V8 quattro (AWD)
 Quattro (Coupe Turbo)

BMW
 320i (F30/F31/F34))
 323i Convertible, 323is, 328i
 Convertible, & 328is (E36)
 (1999)
 3 Series (6-cyl, non-M3; E30,
 E36) (1984-98)

Cadillac
 ATS (2.5L 4-cyl non-turbo)

Chevrolet
 Cobalt Sport (2.4L) (2008)
 Cobalt SS (2.0L SC) (2005-07)
 Cobalt SS (2.4L) (2006-07)
 Malibu (all) (2008+)

Chrysler
 200 (V6)
 Conquest Turbo
 PT Cruiser (Turbo) (2003-09)

Dodge
 Caliber SRT4
 Charger (V6) 2006+)
 Conquest Turbo
 Neon (1995-99)
 SRT-4 (Neon chassis)

Fiat
 500 Abarth (2012+)

Ford
 Focus ST (2013+)
 Fusion (6-cyl)
 Mustang (V6) (1994-2010)
 Mustang SVO
 Taurus SHO
 ZX2 S/R (1999-2003)

General Motors
 FWD models (4-cyl Turbo, 6-cyl,
 Ecotec, or Quad 4 engines, NOC)

Hyundai
 Genesis Coupe (4-cyl) (2010-12)
 Veloster Turbo

Isuzu
 Impulse Turbo (all)

Kia
 Forte & Forte Koup (2.4L)

Lexus
SC 300

Mazda
323 GT Turbo (sedan)
323 GTX Turbo (AWD)
Mazdaspeed3
Mazdaspeed Protégé

Mercedes
190E (6-cyl 2.6L & 4-cyl 16v)
C230 (1999-2007)

Merkur
XR4Ti

MINI
Cooper Hardtop (non-S, non-JCW)
(2014-15)

Mitsubishi
Galant (V6 & 4-cyl Turbo)
Starion Turbo

Plymouth
Neon (1995-99)

Saab
9-2X Linear (2.5L)
Turbo models (NOC)

Saturn
ION Redline (Turbo)

Subaru
Impreza 2.5 (non-turbo)

Toyota
Celica All-Trac Turbo
Celica GT (2000-05)
Celica GTS (2000-03)

Volvo
S60R (non-Polestar)
V70R (non-Polestar)
Turbo models (NOC)

Volkswagen
1.8L Turbo models (NOC) (2002-06)
Corrado
Beetle, Golf, GTI & Jetta (1.8L Turbo)
Golf, GTI & Jetta (VR6 24v) (2002-05)
GTI (2006+)
Jetta (2.0L Turbo) (2006+)
Passat (1.8L Turbo)
Passat (W8)

H (HS, HP, HM)

Acura
CL (6 cyl)
ILX
Integra (non-Type R) (1990-2001)
Legend
RSX (non-Type S)
TL
TSX
Vigor

Alfa Romeo
164 (non-S) (1991-93)
1750 & 1750 GTV
GTV V6
Milano

Audi
200 Turbo quattro
5000 Turbo
A3 (FWD) (2006-13)
S4 (100 CS chassis) (1992-94)

Buick
Reatta

BMW
2002
318 (i is),(1991)
318 ti
7 Series (6-cyl)

Cadillac
Catera

Chevrolet
Camaro V6 (1982-2002)
Cruze (all)
Sonic
Volt

Chrysler
200 (4 cyl)
300M (1999-2004)
Cirrus (V6)
Laser Turbo
PT Cruiser Turbo

Dodge
Caliber
Dart (FWD)
Daytona Turbo
Lancer Turbo
Neon (2000-05)
Shadow (Turbo & V6)
Spirit (Turbo & V6)
Stealth (non-turbo)

Eagle	Talon (Turbo FWD)	MINI	Clubman (non-S, non-JCW) (2008-14)
Ford	Fiesta ST Five Hundred Focus SVT Mustang (4-cyl turbo non-SVO and V6) (non-EcoBoost) Probe Turbo Thunderbird Turbo Coupe ZX2 (non-S/R)		Cooper Hardtop (non-S, non-JCW) (2002-13) Cooper Coupe (non-S, non-JCW) (2012-15) Cooper Roadster (non-S, non-JCW) (2012-15)
Honda	Accord (V6) Civic del Sol VTEC Civic Si (86 – 87, 06+) CRX Si CR-Z Fit Prelude VTEC ('93+)	Mitsubishi	3000 GT (non-turbo) Eclipse (Turbo FWD) (1989-2012)
Hyundai	Elantra (2010+) Veloster (non-turbo)	Nissan/Datsun	200SX (turbo, V6) 240SX 300ZX (non-turbo) (1984-89) Altima (2002+) Leaf Maxima (V6) NX2000 Sentra (2.0 and above) (1982-2006) Sentra (2007+) Versa
Infiniti	M30	Oldsmobile	Calais W41
Jaguar	X-Type 2.5	Peugeot	405 Mi-16
Kia	Forte & Forte Koup (2.0L) Optima	Plymouth	Acclaim (turbo & V6) Laser Turbo Neon (2000-01) Sundance (turbo & V6)
Lexus	CT200h ES (all) GS 300	Pontiac	Fiero (4-cyl) G5 (all) G8 (V6) (2008-09)
Lincoln	LS (V6)	Saab	900 (V6) (1994-97) 900 NOC 9-3 9-4X 9-5
Mazda	Mazda2 Mazda3 Mazda6 (V6) Millenia S MX-6 Turbo Protégé (MP3, Mazdaspeed)	Saturn	Astra (2008-09) L Series (6 cyl)
Mercedes	C280 (1995-2000)		
Mercury	Milan (6 cyl) Montego		

Scion

iM
tC (incl. Release Series 5.0 2009)
xB
xD
NOC

Subaru

Legacy (NOC) (2005+)
Impreza NOC (2005+)
SVX
Sedan Turbo (NOC)

Suzuki

Kizashi
SX4

Toyota

Camry (V6, all)
Celica (FWD, NOC)
Corolla (2007+)
Prius (2004+)
Supra (non-turbo) (1983-92)
Yaris

Volkswagen

Diesel engine w/ turbo (inc TDI)
Eos
Golf, GTI & Jetta (16v, 2.5L, N/A)
Passat (4-cyl non-turbo & V6)
Scirocco 16v
VR6 (FWD, NOC)

Volvo

C30

I (IS, IP, IM)

Acura

CL (4 cyl)
Integra ('86 – '89)

Alfa Romeo

1300
1600
2000 (4-door sedan)
Sedan (NOC)

AMC

Gremlin (4-cyl & 6-cyl)
Spirit (4-cyl & 6-cyl)

Audi

80
90
100 (non-S4)
4000
5000 (non-turbo)
Coupe and Coupe quattro (non-turbo)

Austin

Mini
Mini Cooper

Austin-Healey
(all)

Buick

Reatta

BMW

1600
1800
2000 CS coupe
318 NOC
320

Chevrolet

Aveo
Beretta
Camaro (inline 4 and 6)
Cobalt NOC
Corvair (All)
Nova (FWD)
Nova (RWD 4 and 6 cyl)
Spectrum (all)
Sprint (all)
Vega & Cosworth Vega

Chrysler	Laser (non-turbo) PT Cruiser (non-turbo) (2001-10) Sebring (all)	Taurus (non-SHO) Tempo (all) Thunderbird (V6, non-S/C) (1989-97) ZX2 (non-S/R)
Daewoo	(all)	Geo All
Datsun	1200 1500 & 1600 Roadster 210 & B-210 310 510 610 710 810 F10	General Motors FWD models (NOC) RWD V6 models (NOC)
Dodge	024 Avenger (all) Challenger (1978-1983) Charger (non-turbo FWD) (1981-1987) Colt (All) Daytona (non-turbo) Lancer (non-turbo) GLH (non-turbo) Intrepid Omni 1.7 & 2.2 Rampage Shadow (4 cyl non-turbo) Spirit (4 cyl non-turbo) Stratus (all)	Honda 600 800 Accord (4 cyl) Civic NOC CRX (non-Si) del Sol & Civic del Sol Non-VTEC Insight Prelude NOC
Eagle	Summit (all) Talon (non-turbo)	Hyundai Accent (all) Elantra (1990-2009) Scoupe (all) Tiburon NOC
Fiat	all except X1/9	Infiniti G20
Ford	Aspire Contour (all) Cortina Escort (non-ZX2 S/R) EXP Festiva Fiesta (1976-80, 2011-16) Focus NOC Fusion (4-cyl) Mustang (4-cyl, 6-cyl, & 4-cyl Turbo except SVO) (1964½-93) Pinto Probe (non-turbo)	Isuzu Impulse (non-turbo) I-Mark Stylus
		Jaguar 120 140 150
		Kia Rio Sephia Spectra5 NOC
		Lancia All
		Lotus Cortina

Mazda	323 (non-turbo)	Opel	1100
	626		1900
	808		GT
	929		Isuzu
	Cosmo		Manta
	GLC		
	Millenia (non-S)	Peugeot	505
	MX-3		NOC
	MX-6 (non-turbo)		
	Protégé (non-Mazdaspeed)		
	R100	Pininfarina	2000
	RX-2		
	RX-3		
	RX-4	Plymouth	
			Acclaim (4 cyl non-turbo)
Mercedes			Arrow
	NOC		Champ
			Colt
Mercury			Horizon
	Bobcat		Laser (non-turbo)
	Capri (all except V8)		Sapporo
	Cougar (4-cyl & V6 non-S/C)		Scamp
	LN-7		Sundance (4 cyl non-turbo)
	Lynx		TC3
	Milan (4 cyl)		Turismo
	Mystique (all)		
	Sable		
	Scorpio		
	Topaz (all)		
	Tracer		
MG		Pontiac	
	all		Firebird (inline 4-cyl & 6-cyl)
			LeMans (FWD) (1988-93)
Mitsubishi			Sunfire
	Cordia		T-1000
	Eclipse (non-turbo)		Vibe
	Galant (4-cyl non-turbo)	Porsche	
	Lancer (non-turbo)		356 (non-Carrera)
	Mirage		912
	Precis		924 (Audi engine)
	Premier	Renault	
	Starion (non-turbo)		NOC
	Tredia	Saab	
			92
Nissan/Datsun			93
	200SX (all)		94
	Altima (1992-2001)		95
	Maxima (I6)		96
	NX1600		97/Sonett
	Pulsar		99 non-turbo
	Sentra (smaller than 2.0) (1982-2006)		
	Stanza		

Saturn	Ion (non-turbo) SC (all) SL (all) SW (all) L series (4 cyl)	Cressida Echo Matrix Paseo Prius (2001-2003) Starlet Supra (pre-1982) Tercel
Scion	xA (2004-06)	Triumph All NOC
Shelby	Charger (non-turbo)	Volkswagen air-cooled engine (all) Diesel engine (non-turbo) Beetle (non-turbo) Dasher Fox Golf, GTI, Jetta & Rabbit (4 cyl 8v) Passat (4-cyl non-turbo) Quantum Rabbit 2.5 (2007-2009) Scirocco 8v
Subaru	Legacy 2.5 GT (2004 and earlier) Subaru Impreza (non-turbo, non-2.5RS) (1992-2007) NOC	Volvo NOC
Sunbeam	Alpine	Yugo All
Suzuki	Esteem GL Forenza Swift	RWD pickup trucks (NOC)
Toyota	Camry (4 cyl 1982-2006) Celica RWD Corolla (1966-2006)	

MADISON
Sports Car Club

