



**2022**

# Corvette Club of Michigan Competition Handbook

CCM Competition Hotline: 734-748-9948

DCSCC: <http://dcsc.org>

Detroit SCCA Hotline: 800-503-RACE

Northwest Ohio Hotline: 419-385-7222

Saginaw Valley Hotline: 517-792-0808

## **Corvette Club of Michigan**

General Membership Meeting

Fourth Wednesday of each month (except December) at 7:30 PM at

**Les Stanford Chevrolet**

**21730** Michigan Avenue

Dearborn, Michigan 48124

The Competition Committee usually meets at 7:30 PM on the Monday preceding the second Wednesday of the month. Contact the Competition Director to confirm the time and location if you would like to attend or join the committee.

We're on *Facebook*: [Corvette Club of Michigan-Events](https://www.facebook.com/Corvette-Club-of-Michigan-Events)

# Corvette Club of Michigan

## **2022 Competition Committee**

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# TABLE OF CONTENTS

Introduction.....	1
AUTOCROSS & MATCHING TIMES.....	1
I. <b>ENTRANT INSTRUCTIONS</b> .....	1
A. <b>General</b> .....	1
B. <b>Registration</b> .....	1
C. <b>Technical Inspection</b> .....	1
D. <b>Competition</b> .....	2
II. <b>AUTOCROSS GROUPS and CLASSES</b> .....	4
E.  CCM non-sanctioned events.....	4
F. <b>GROUPS 1-S, 1 AND 2 CLASSIFICATION GUIDE</b> .....	4
III. <b>CLASSES FOR MATCHING TIMES (MT OR MTT)</b> .....	7
IV. <b>GROUP AND CLASS REGULATIONS</b> .....	7
A. <b>GROUPS 1S &amp; 1 REGULATIONS</b> .....	8
1.  SAFETY EQUIP (SEE REQUIREMENTS IN TECH).....	8
2.  FRAME.....	8
3.  SUSPENSION MEMBERS.....	8
4.  SUSPENSION BUSHINGS.....	8
5.  SUSPENSION ALIGNMENT.....	8
6.  SPRINGS.....	9
8.  SWAY BARS.....	9
9.  BRAKES.....	9
10.  STEERING:.....	9
11.  BODY:.....	10
12.  ENGINE, ENGINE COMPONENTS AND ACCESSORIES.....	10
13.  CLUTCH AND FLYWHEEL.....	11
14.  TRANSMISSION.....	11
15.  DRIVE AXLE.....	11
16.  EXHAUST.....	11
17.  WHEELS.....	12
18.  TIRES - GROUP 1S (SEE RESTRICTIONS IN TECH).....	12
19.  TIRES - GROUP 1 (SEE RESTRICTIONS IN TECH).....	12
20.  REMOVAL OF EQUIPMENT.....	12
21.  SPECIAL RESTRICTIONS FOR RPO-B2K TWIN TURBO CALLAWAY CORVETTES.....	12
B. <b>GROUP 2 REGULATIONS</b> .....	13
1.  SAFETY EQUIPMENT ( <i>SEE REQUIREMENTS IN TECH</i> ).....	13
2.  FRAME.....	13
3.  SUSPENSION MEMBERS.....	13
4.  SUSPENSION BUSHINGS.....	13
5.  SUSPENSION ALIGNMENT.....	13
6.  SPRINGS.....	14
7.  SHOCKS.....	14
8.  SWAY BARS.....	14
9.  BRAKES.....	14
10.  STEERING.....	14
11.  BODY.....	14
12.  ENGINE, ENGINE COMPONENTS & ACCESSORIES.....	14
13.  CLUTCH AND FLYWHEEL.....	16
14.  TRANSMISSION.....	17
15.  DRIVE AXLE.....	17
16.  EXHAUST.....	17
17.  WHEELS.....	17

18. TIRES .....	17
19 REMOVAL OF EQUIPMENT .....	17
20. SPECIAL RESTRICTIONS FOR RPO-B2K TWIN TURBO CALLAWAY CORVETTES.....	17
C. <b>GROUP 3 REGULATIONS</b> .....	17
V. <b>TROPHY POLICY</b> .....	18
VI. <b>PROTESTS</b> .....	18
VII. <b>AUTOCROSS EVENT INSTRUCTIONS</b> .....	19
A. Turn Marshall.....	21
B. Gate Marshall .....	22
C. Safety Run Driver .....	22
DRAGS .....	23
I. <b>ENTRANT INSTRUCTIONS</b> .....	23
A. General.....	23
B. Registration.....	23
C. Technical Inspection.....	23
D. Competition .....	24
II. <b>CLASSIFICATION</b> .....	25
III. <b>TROPHY POLICY</b> .....	26
IV. <b>PROTESTS</b> .....	26
V. <b>CHAIRPERSON INSTRUCTIONS</b> .....	26
RALLYE .....	27
I. <b>ENTRANT INSTRUCTIONS</b> .....	27
A. General.....	27
B. Registration.....	27
C. Technical Inspection - may include: .....	27
D. Competition - The Rallye.....	27
II. <b>CLASSIFICATION – FUN RALLYE &amp; ECONOMY RUNS</b> .....	29
III. <b>RALLYE CLASSIFICATION - TSD RALLIES</b> .....	29
A. Class 3 - Unequipped .....	29
B. Class 2 - Semi-Equipped .....	29
C. Class 1 - Equipped .....	29
D. Non-Corvette Class .....	30
IV. <b>TROPHY POLICY</b> .....	30
V. <b>PROTESTS</b> .....	30
VI. <b>RALLYEMASTER GUIDELINES</b> .....	30
CONCOURS d'ELEGANCE.....	33
I. <b>General Comments</b> .....	33
II. <b>CLASSIFICATION</b> .....	33
A.Classes.....	33
B. Qualifications for Classification:.....	33
III. <b>JUDGING SHEET</b> .....	33
IV. <b>JUDGING SYSTEM</b> .....	37
A.CONCOURS CLASS -.....	37
B. SHOW CLASS .....	37
C. CLOSED HOOD .....	37
D. RACED CLASS .....	37
E. RACE PREPARED CLASS .....	38
F. RACE PREPARED/RACED CLASS .....	38
V. <b>CONCOURS AWARDS</b> .....	38
VI. <b>PROTESTS</b> .....	38
VII. <b>ENTRANT INSTRUCTIONS</b> .....	38
VIII. <b>CHAIRPERSON AND WORKER INSTRUCTIONS</b> .....	39
IX. <b>SURPRISE CONCOURS d'ELEGANCE</b> .....	39
POINTS .....	40

I. <b>GENERAL</b> .....	40
II. <b>COMPETITION POINTS SYSTEM</b> .....	40
B. Competition Events Counted:.....	40
C. Competition Points:.....	41
D. Ties.....	42
E. Worker Ineligible to Compete:.....	43
4. Ineligible worker or rallye chairperson competition points.....	43
III. <b>OVERALL COMPETITION AWARD</b> .....	44
IV. <b>AUTOCROSS CLASS CHAMPION AWARD</b> .....	44
V. <b>ROOKIE OF THE YEAR AWARD</b> .....	44
VI. <b>AUTOCROSS AWARD</b> .....	44
VIII. <b>CONCOURS AWARD</b> .....	44
IX. <b>RALLYE AWARD</b> .....	45
XI. <b>COMPETITION PASS</b> .....	45
XII. <b>WORKER POINTS</b> .....	46
2022 CCM ENTRY FEES.....	48
PRE-REGISTERED.....	48
2022 CCM OFFICERS.....	49
TENTATIVE 2022 CCM CALENDAR.....	50
POINTS TABLE.....	51

# INTRODUCTION

Any Corvette owner, 18 years of age or over, possessing a valid driver's license is invited to join the Corvette Club of Michigan. Membership meetings are held the fourth Wednesday of each month (except December) at 7:30 p.m. The Corvette Club of Michigan promotes amateur motor sport competition activities, where each member can enjoy companionship and the thrill of his/her Corvette while exploring its performance and handling and developing their driving skills under safe and legal conditions. The Club strives to maintain a competition program where every member can safely compete in any event regardless of his experience. Also, the competition goal is for every member to gain victory through their skill, regardless of basic dollar investment. CCM sponsors a minimum number of competition events per year. Competition events include: Rallies, Autocrosses, Speed Events, Drags, Matching Times, and the Concours d'Elegance. Entrant may register only one car for points per event.

- A Rallye is a form of competition in which cars leave a starting point individually, at carefully recorded time intervals and are directed to follow a prescribed route to a finish - the point at which the entrants "rallye".
- An Autocross is a race against time through a "mini" road course of pylons, usually conducted in a parking lot.
- A Matching Time is a timed run on an autocross course that is scored for consistency.
- Drag Racing is a wheel-to-wheel acceleration test between two cars on a sanctioned drag strip.
- Concours d'Elegance is a contest of judging Corvettes for cleanliness and condition.

The Corvette Club of Michigan is a member of the National Council of Corvette Clubs (NCCC) and the Detroit Council of Sports Car Clubs (DCSCC).

**Please note that the complete autocross class system parallels the NCCC class system, which includes a pure stock street tire class. You may need to consult your NCCC Competition Manual (a.k.a., Rulebook) for additional details.**

## COMPETITION DIRECTOR

The Competition Director is appointed by the President. The Competition Director in turn appoints a committee to formulate policy on matters concerning competition. The committee is to include the representative to the Detroit Council of Sports Car Clubs and a member of the previous competition committee. The Michigan Region Representative shall also be included on the committee.

The Competition Director shall be responsible for securing the following for all events: Event Chairperson, site, insurance coverage, advertising, proper instructions for entrants, safety, and proper operation of all competition events.

The Competition Director shall inform the membership of activities and events of CCM and other clubs.

The Competition Director has an allowance of \$200 per month to spend on needs related to competition matters. Spending beyond this amount requires approval from the Board of Directors.

## NCCC Sanction and Non-Sanction Requests

The CCM NCCC Governor will refer to the NCCC Rulebook to ensure that all sanction and non-sanction requests are submitted by the stated deadline. Sanction and non-sanction requests are to be submitted using the Governor's Event Competition Database as specified in the Governor's Competition Guide. Either the Governor or Event Chairperson may pull the sanction and non-sanction requests in order to secure the requested dates. Once the requests have been submitted, the NCCC Regional Competition Director (RCD) will approve or disapprove the requests. Borrowed sanctions will also be requested using the appropriate club Governor's log in of the club's borrowed sanctions.

# AUTOCROSS & MATCHING TIMES

## I. **ENTRANT INSTRUCTIONS**

### A. **General**

1. Use or possession of intoxicating beverages or drugs by entrants, workers or guests before or during any event is not permitted.
2. All entrants or spectators must sign the CCM form "Waiver of Liability Recourse". All minors must have appropriate minor waivers signed in accordance with insurance requirements.
3. The right to disqualify and evict from the premises any entrant or spectator for undue recklessness, poor sportsmanship or conduct at or near the event is reserved by the Competition Committee or Event Chairperson.
4. Pets at events must be kept on a leash or confined to a car and must be kept off the course.

### B. **Registration**

1. All entrants must show proof of valid driver's license.
2. CCM members may be required to show membership card.
3. All entrants must fill out registration cards completely.
4. All entrants must be a minimum of 18 years of age. On GM property, all entrants' ages will be dictated by GM contract.
5. Entrants may register and run only once unless fun runs are held.
6. Entrants may be required to show proof of insurance.
7. All entrants must register to work one hour.

### C. **Technical Inspection**

1. Cars allowed to compete in CCM events shall be those which are series produced with the normal road touring equipment, in quantities of at least 500 in a 12 month period. CCM may exclude from competition any car, even if made in greater quantities, if such cars are not considered suitable. Exceptions may be made by the Competition Committee. Standards for non-production based vehicles include final approval statement.
2. All entrants cars must pass a technical inspection consisting of the following:
  - a. Tire condition (no serious cuts or casing failures, evidence of tread on the running surface of the tire or race tires - no cord showing which is subject to the discretion of the tech inspector). Street tires are acceptable if tread can be felt with the fingers. Flat spots may or may not be acceptable when considered with the amount of tread. The opinion of Competition Committee rules if necessary.
  - b. Brakes (even, straight stop, pedal height and firmness).
  - c. Steering and suspension.
  - d. Seat belts properly mounted. See also Class Regulations
  - e. Helmets MUST be Snell Foundation certified SA-2010/SA-2015 or M-2010/M-2015 (motorcycle) approved. A dated helmet cannot be older than 10 years. DOT (only) certified helmets are no

longer acceptable as of January 1, 2004. The chief technical inspector reserves the right to prohibit any helmet.

- f. Removal of all loose objects within the car.
  - g. Removal of clip type hubcaps.
  - h. Throttle linkage operation.
  - i. Fluid leaks: gas, brake, oil, water/coolant.
  - j. All cars must have hoods.
  - k. Any carbureted Corvette must have an air cleaner or other device that has flame arresting capabilities. Any non-carbureted, or any carbureted non-Corvette without such a device, must be equipped with a fire extinguisher.
  - l. Fire Extinguishers with a minimum rating of 5 BC are recommended in all cars for low speed events. The extinguisher must be solidly mounted and accessible from the driver's seat with seat belt **released**. Fire extinguishers are required in all cars for high speed events.
  - m. It is suggested that tire pressure on street tires be increased to prevent tire roll.
  - n. Nitrous Oxide not allowed.
  - o. Determination of noise levels of all cars is at the discretion of the Competition Committee.
  - p. All swing axle cars and dune buggies must be inspected by the Competition Committee.
  - q. Any Corvette with an automatic transmission shall have a functioning neutral start safety switch.
3. Changing of classes after tech can be done only with the approval of the Chief Tech Inspector.

#### D. **Competition**

- 1. Cars will compete in one of the following divisions: NCCC Corvette classes or NCCC and DCSCC classes depending on the event format that day.
- 2. All entrants should study the course diagram (usually posted on the CCM trailer) to avoid off-courses. Opportunity will be given for each entrant to walk the course prior to the first car out. Those entrants who are physically handicapped and unable to walk the course may use a wheeled vehicle such as a scooter to learn the course by operating the vehicle on the perimeter of the course. Once the course is closed for walking, no one may be on the course unless they are a designated worker.
- 3. All entrants must wear safety helmets (Snell 2005 or later, or 2000 dated less than ten years since manufacture) and securely mounted seat belts. It is strongly recommended that competition type shoulder harnesses not be worn in convertibles without roll bars.
- 4. It is required to have doors unlocked.
- 5. No person under the age as described in the current GM contract shall be beyond the flag barriers on GM lots once the course is cleared for the safety run.
- 6. Passengers will be allowed under the following conditions:
  - a. Parking lot event – non-competitors as well as competitors may ride as a passenger at any time, subject to NCCC passenger restrictions for NCCC sanctioned events.

- b. Passengers will not be allowed at non-parking lot events (i.e., Waterford, etc.) except for safety run purposes.
  - c. The event insurance has been requested as a driver's school.
  - d. All passengers must be at least 12 years of age or older.
7. Course laps run for the purpose of drying the course should be run in the reverse direction.
8. Penalties:
  - a. 2 seconds - Striking a pylon (must be knocked down or completely out of pylon marking).
  - b. 4 seconds - Striking a pylon on a course not in a parking lot.
  - c. DNF - Did Not Finish, omission of any portion of the course; more than two wheels off pavement (WOP).
  - d. DNF - For Matching Times, the use of any mechanical or electronic timing device OR stopping on the course for "non-mechanical" reasons constitutes a DNF.
9. Unofficial times will be posted on the CCM posting board. **PLEASE DO NOT DISTRACT TIMER BY ASKING FOR TIMES.**
10. **Official results will be published in the Facebook group [Corvette Club of Michigan-Events](#).**
11. Track events, such as Waterford, are restricted to competitors who have competed in a minimum of 6 autocrosses or are approved by the Competition Committee.
12. If multiple NCCC Low Speed and/or MTT events are scheduled, **an inside points event will be scored from the first set of runs for each driver, with the number of runs to be announced at the driver's meeting.** All competitors in the same NCCC run group will run at the same time. If a multiple-driver Corvette is entered, the inside event will be run in either of the following orders:
  - a. Multiple-driver Corvettes will be placed at the front and in the middle of the run group. Every driver in the run group will complete one timed run before the next timed run is started. OR
  - b. The run group will be divided into two groups with one of the multiple-driver Corvette drivers in each group. The first run group will start with the lowest CCM bumping procedure class and add additional classes as needed. The run groups will then run according to the traditional CCM hot lap procedure.
13. Autocrosses will generally be run rain or shine. In the event of severe inclement weather that represents a safety concern for course workers (lightning), the event will be delayed until such conditions pass. If the event cannot be started or resumed, the event will be cancelled for the day and rescheduled to the published Rain Date. If weather conditions are inconsistent throughout the day and present drastically different running conditions for most CCM competitors, the Competition Director will convene a meeting of the Competition Committee and decide whether or not to count the event for inside points, the decision must be made on the day of the event.

## **II. AUTOCROSS GROUPS and CLASSES**

- A. This information is compiled from the NCCC Competition Manual. Any discrepancies from that manual in the autocross classes are probably accidental and any questions should be directed to the CCM Competition Committee.
- B. In the interest of providing a fair and competitive Speed Event program, NCCC has divided the Corvettes into separate Groups and Classes. First the Corvettes are divided into four (4) separate Groups. Depending on the amount of modifications made from the factory condition, the Corvette will be placed into one of the four (4) Groups starting with Group 1-Street and progressively moving to Group 1, Group 2 and Group 3 as the number of modifications increases. The Groups are then further divided into Classes. The proper Class will depend on the age (body style) of the Corvette and the engine being used. Within Group 3, some of the Class determination is also made by increasing levels of modification starting with the Mod Classes moving to the Race Prepared Class and then to the Race Prepared Altered Frame Class (RPAF).
- C. When Corvettes are classified by the Tech Committee, they **MUST** be placed in the Class with the fewest modifications for which they qualify. Example: If a Corvette is qualified for both Classes 1D and 2D, it **MUST** be placed in the 1D Class for all entrants driving that Corvette.
- D. Male and female entrants will be placed in separate Groups and Classes. The Ladies' Classes carry an "L" in front of the designation for the Group/Class. Examples: Men's: 1SE, 1E, 2E or 3E and Ladies: L1SE, L1E, L2E or L3E.
- E. For CCM non-sanctioned events, entrants sharing a car may change tires to run the car in two classes. Example: one driver runs the car in 1E while a second driver changes tires to run 1SE. Drivers must register in the class they intend to run and may not mix runs in both classes. When tires are changed, the car must return to tech for proper classing, or present both sets of tires for the appropriate classes to tech.

### **F. GROUPS 1-S, 1 AND 2 CLASSIFICATION GUIDE**

- 1. The Competition Committee reserves the right to adjust engine classifications or create a new class as experience dictates.
- 2. 1953 through 1962 Corvettes in Groups 1-S, 1, or 2 go in CL.
- 3. 1963 and newer Corvettes are classified by year and factory rated horsepower as shown in the following table: (See Section B 12 b for allowable Group 2 year/engine substitutions)
- 4. 1984-1996 with LT-1, LT-4 engine with correct transmission and radiator for the engine, will be in 2G.

**GROUPS 1S, 1, AND 2 CLASSIFICATION GUIDE**

YEAR	CID	RATED HP or ENG. OPTION	GROUP 1S CLASS	GROUP 1 CLASS	GROUP 2 CLASS
63	327	250/300	C	C	C
63	327	340/360	B	B	B
64	327	250/300	C	C	C
64	327	365/375	B	B	B
65	327	250/300	C	C	C
65	327	350/365/375	B	B	B
65	396	425	A	A	A
66	327	300	C	C	C
66	327	350	B	B	B
67-68	327	300	C	C	C
67-68	327	350	B	B	B
66-69	427	ALL	A	A	A
69-70	350	300	C	C	C
69	350	350	B	B	B
70	350	350/370	B	B	B
70-74	454	ALL	A	A	A
71	350	270	D	D	D
71-72	350	330/255	B	B	B
72-80	350	L-48	D	D	D
80	305	LG4	D	D	D
73-80	350	L-82	C	C	B
81	350	L-81	D	D	D
82	350	L-83	D	D	D
84	350	L-83	E	E	E
85-91	350	L-98	E	E	E
87-91	350	RPO-B2K	F	F	F
90-95	350	LT-5 (ZR-1)	F	F	F
92-96	350	LT1	G	G	G

96	350	LT4	G	G	G
97 -04	346	LS1	H	H	H
01-04	346	LS6	J	J	J
05-07	364	LS2	K	K	K
08-13	376	LS3	K	K	K
06-13	427	LS7 (all)	M	M	M
10-13	378	LS3 (GS)	M	M	M
14-19	378	LT1	M	M	M
16-19	378	LT1 (GS)	M	M	M
09-13	378	LS9 (ZR1)	N	N	N
15-19	378	LT4	N	N	N
20-up	378	LT2	P	P	P

Note: For purposes of competition, awards, and points, cars designated

1. "A" and "B" shall be placed in a class designated "A/B".
2. "C" and "D" shall be placed in a class designated "C/D".
3. "F" and "G" shall be placed in a class designated "F/G".
4. "J" and "K" shall be placed in a class designated "J/K".

#### 4. **GROUP 3: (MEN'S & LADIES')**

CL --- 1953 through 1962 – All Small Block Modified Classics.

A --- 1963 through 1982 – All Big Block Modifieds.

B --- 1963 through 1982 – All Small Block Modifieds.

E --- 1984 through 1996 – All Modifieds.

H --- 1997 through 2004 – All Modifieds

K --- 2005 through 2019 – All Modifieds

N --- All model years with forced induction

**P --- 2020 – All Modifieds**

RP --- 1953 and newer – All Race Prepared.

--- All Big Block Classics and all Big Block 1984 and newer Corvettes.

RPAF -- All altered frame (not counting reinforcing) Corvettes.

Cars designated “A” and “B” shall be placed in a class designated “A/B” for purposes of competition, awards, and points.

#### III. **CLASSES FOR MATCHING TIMES (MT OR MTT)**

For MTs and MTTs, the Corvettes are divided into three Groups plus the Exhibition Class defined above for a total of eight Classes.

A. Groups 1 and 1S will compete together in 1 / 1S (men's & ladies')

B. Group 2: (men's & ladies')

C. Group 3: (men's & ladies')

#### IV. **GROUP AND CLASS REGULATIONS**

*Refer to the following definitions while reading the Group and Class regulations:*

Aftermarket - The market for parts and accessories used in the repair or enhancement of a product produced by someone other than the OEM.

Factory - As produced and/or installed by the General Motors Corvette assembly plant(s).

Stock - Exactly as it came from the factory on THAT SPECIFIC Corvette or a direct replacement (superseded) as furnished by GM

Stock Corvette - Exactly as it came from the factory on ANY Corvette or direct replacement (superceded) as furnished by GM. Unless stated otherwise is restricted to appropriate grouping-- pre-1984 or 1984-newer

Strictly Stock - Exactly as it came from the factory on that specific Corvette

Stock for Year/Class - That which came from the factory on any Corvette of the same year in the same class

## A. GROUPS 1S & 1 REGULATIONS

This Rulebook is written in a positive nature and therefore should be used in that manner. As this section of the Rulebook deals with Groups 1S and 1, be reminded that **only changes that are specifically outlined are allowed**. If a change being considered is not listed, then it is not allowed.

When a wearable component is no-longer available (e.g. rubber bushings), the Competition Committee may rule, on an individual component basis, that the item may be replaced, what the allowable replacement will be, any limitations to be prescribed, and any class limitations.

### 1. SAFETY EQUIP (SEE REQUIREMENTS IN TECH)

- a. Seat belts: stock or better. They must be in good condition.
- b. Fire Extinguisher: is required for High Speed Events. Must be mounted within reach of driver with seat belt/harnesses released. Fire extinguisher must have a gauge showing charge level and be securely mounted with a metal bracket.
- c. Roll bar or cage: is required in all roadsters in High Speed Events and Waterford Time Trials.
- d. Use of additional safety equipment is recommended (roll bar/cage, shoulder harness, 3" lap belt, scattershield and fire extinguisher).
- e. Stock seats may be replaced with commercially manufactured aftermarket stock type seats, securely mounted in a manner that is functional and safe, provided they are mounted on original type track.
- f. 1953-1962 only. Traction bars are allowed.

### 2. FRAME

- a. Strictly stock except reinforcing, limited to gusseting and seam welding, is allowed.
- b. 63-82: See Exhaust Section for allowable changes to transmission cross member.

### 3. SUSPENSION MEMBERS

- a. 1953-1982: Stock
- b. 1984 & up: Strictly stock

### 4. SUSPENSION BUSHINGS

- a. Any rubber bushings may be replaced with polyurethane.

### 5. SUSPENSION ALIGNMENT

- a. The suspension may be adjusted through its designed range of adjustment, using or removing shims where authorized by Corvette Service Manual, but no part may be modified for the purpose of adjustment.
- b. 1984 & up: for the purpose of adjusting the front suspension geometry for more negative chamber, only washers (Fat Shims) on the same front upper control arm bolts may be interchanged. Washers cannot be removed or modified.

## 6. SPRINGS

- a. Must use Factory length spring bolts with correct safety pin on transverse rear spring.
- b. 1953-1982: Any stock spring available for the Class is allowed. Note: Stock for Class fiberglass rear spring only available for use on any year in Class D. Springs may not be cut, shortened or collapsed.
- c. 1984 & up: Stock for class. Cannot remove front spring pads for purposes of lowering.

## 7. SHOCKS

- a. Any non-adjustable stock type. Mounting hardware shall be stock type.
- b. Shock and mounting bushings must not be modified from its manufacturer's configuration.
- c. Coil-over shocks are not allowed.
- d. 1984 & up: Adjustable stock type shocks may be used if controlled by strictly stock factory shock control system.

## 8. SWAY BARS

- a. 1953-1982: Stock for Class (including bushings).
- b. 1984 & up: Stock for Class (including bushings).

## 9. BRAKES

- a. 1953-1982: Stock for Class except:
  - 1) Updating/backdating master cylinder within Class allowed.
  - 2) Replacement of single pin with stock Corvette dual-pin calipers allowed.
  - 3) Updating of drums with discs within class allowed.
- b. 1984 & up: Stock brake system for Class.
- c. The make and material of brake pads may be changed.
- d. Stock size steel rotors - slotted, dimpled, and/or drilled – allowed, must be commercially manufactured.
- e. Two-piece rotors of same material, size, and weight as stock allowed.
- f. Brake caliper pistons may be replaced with stainless steel or other material pistons.
- g. For added safety, performance type steel braided brake lines are allowed.
- h. Air cooling ducts allowed.
- i. Removal of brake dust shield allowed.

## 10. STEERING:

- a. 1953-1982: Stock except for:
  - 1) Power steering allowed if available in class.
  - 2) Replacement steering wheel of 14 1/2" min dia is allowed.
- b. 1984 & up: Strictly stock including steering wheel.

## 11. BODY:

- a. 1953-1982: Stock except (no other modifications):
  - 1) Minor customizing allowed (body must follow stock lines).
  - 2) Trimming of inner fenders or fender lip for tire clearance allowed.
  - 3) Fender lip flares allowed.
  - 4) Removal of emblems allowed.
  - 5) Non-functional (cosmetic only) air package hood changes allowed.
  - 6) Stock Corvette non-adjustable spoiler allowed.
  - 7) Updating to a later model interior allowed (see Steering Section above).
- b. 1984 & up: Stock for class including interior.
  - 1) May use stock spoiler for class.
  - 2) C5 Z06 rear brake ducts may be added to any C5.
  - 3) Aftermarket air dam to add brake cooling ducts in place of stock air dam
- c. All years: Custom body panels of approximately stock weight or heavier - includes hoods, wings, spoilers, fender flares, ground effects, etc., allowed for Low Speed Events only.

## 12. ENGINE, ENGINE COMPONENTS AND ACCESSORIES

- a. Strictly stock condition for year and Class except:
  - 1) Corvette engine parts updating allowed only where GM has superseded original part number by a new part number (burden of proof on entrant). 1984 cars with the Cross-Fire injection are allowed to update the complete fuel injection system to the Tuned-Port system used from 1985 – 1991. 1982 With Cross-Fire injection, a backdate to a stock Corvette intake manifold (cast iron or aluminum), and Quadrajets carb is allowed.
  - 2) OEM replacement type pistons of same weight, dimensions and configuration are allowed.
  - 3) Cylinder overbore of 0.070" including wear allowed.
  - 4) Normal tune-up items may be stock type or performance type: i.e. plugs; plug wires; condenser; distributor rotor and cap; coil (must fit in stock location and use stock bracket); air, fuel and oil filter elements.
  - 5) Double nuts or polylocks on rocker arms are allowed.
  - 6) Cosmetic engine trim parts allowed if no performance advantage.
  - 7) The following normal engine rebuild items can be stock type: bearings, piston rings, gaskets, oil pump, rocker arm assemblies, lifters, push rods, valves, seals and bolts.
  - 8) 1984 & up: Control of cooling system's electric fan(s) may be altered or regulated externally.
  - 9) Magnetos not allowed.

- b. COMPUTER (ECM) -- Computer and its sensors, accessories and connections must be strictly stock except for: Aftermarket calibration proms allowed or computer internal memory maybe reprogrammed.
- c. Fuel system MUST be strictly stock. Cool-can may not be used on lines in and out of fuel filter.
- d. Engine oil coolers are allowed.
- e. Any Quadrajets that will bolt on without alteration to intake manifold or choke assembly is allowed. If replacement Holley or Carter carburetors are used, proof to determine updating must be furnished by entrant.
- f. Any air cleaner and/or performance air intake system before carburetor or throttle body. Air cleaner housing & filter MUST be in place.
- g. Removal of ignition shielding allowed.
- h. Supplemental cooling system electric fans may be used in conjunction with belt driven fans, except where electric fans are standard equipment.
- i. Radiator -- Aftermarket radiator of essentially the same size, configuration, capacity and weight (or heavier) is allowed.
- j. Belts are only required around crank, water pump and alternator pulleys.
- k. Emissions equipment can be removed/bypassed 1982 – older.
- l. Electric fuel pump not allowed unless it was original equipment.
- m. Remove MAF screens, aftermarket fuel injectors, aftermarket airfoils, allowed.
- n. MAT sensor may be relocated from stock location

### 13. CLUTCH AND FLYWHEEL

- a. Only Factory or OEM replacement type allowed. Aluminum not allowed.

### 14. TRANSMISSION

- a. Strictly stock for year, model and option (only original ratios for year / engine / transmission combination allowed).
- b. Aftermarket shifters, shift kits and torque converters are allowed. Aftermarket transmission coolers are allowed.

### 15. DRIVE AXLE

Strictly stock, only original ratios for year / engine / transmission combination allowed.

### 16. EXHAUST

- a. Stock or OEM replacement correct for year, model & option. Muffler can be any replacement mounted in stock location. A complete “cat back” system can be used on 1984-newer if diameter is within ¼” of stock.
- b. Catalytic converter and Pre-converter required on 1984-newer. May be removed/bypassed on 1982-older only.
- c. Add-on or replace balance tube, cross-over, h-pipe, etc. allowed.
- d. Update/backdate complete under car exhaust system (except manifolds) on 1963-1982 only No cutting allowed except for muffler installation. Muffler can be welded in place.

- e. Transmission cross member can be replaced with stock Corvette cross member from an earlier model to allow installation of dual exhaust only on 1982-older.
- f. Factory or OEM replacement side pipes allowed on 1963-1982. Side pipes MUST fit to stock manifolds for engine claimed without cutting/welding. Must use covers stock for body type covers (reproductions, including fiberglass) allowed.

#### 17. WHEELS

- a. 1982-OLDER - Any type wheel available for class, +/-1 inch width, +1 inch diameter.
- b. 1984-NEWER - Any type wheel available for class & axle, +/-1 inch width, +/-1 inch diameter, 16 inch minimum; adapters allowed

#### 18. TIRES - GROUP 1S (SEE RESTRICTIONS IN TECH)

- a. The intent of Group 1S is to provide fair competition for entrants on "REAL STREET" tires! Only Factory original tires or DOT marked OEM replacement type radial tires having a tread wear rating greater than 110. Tires MUST be generally available to the public. Any tires determined by the Competition Committee not to be in the best interest of or in keeping with the streetable characteristics of Group 1S will be placed in another Group.
- b. Tires MUST have 2/32" or more tread remaining (i.e., tread must be ABOVE wear bars). If tread depth requirement is not met, the car will be moved to Group 1.
- c. Any size that safely fits wheel.

#### 19. TIRES - GROUP 1 (SEE RESTRICTIONS IN TECH)

- a. The intent of Group 1 is for Street tires with less than 2/32" tread; street tires originally manufactured with a DOT wear rating of less than 110, and DOT approved radial or bias ply construction race tires. Any other tires determined by the Competition Committee not to be in the best interest of or in keeping with the streetable characteristics of Group 1 will be placed in another Group.
- b. Any size that safely fits wheel.
- c. Group 1-Street (1S) tires that no longer meet the minimum tread depth requirement of Group 1S will be placed in Group 1.

#### 20. REMOVAL OF EQUIPMENT

- a. Hardtops can be taken off and convertible tops can be put down for competition. However, it is recommended that the tops remain in place on the car during High Speed Events.
- b. Spare tire and carrier may be removed.

#### 21. SPECIAL RESTRICTIONS FOR RPO-B2K TWIN TURBO CALLAWAY CORVETTES

Interchanging parts from RPO-B2K Twin Turbo Callaway Corvettes with parts from other Corvettes or vice versa is not allowed. This restriction overrides the other regulations in this Section allowing exchanging of parts.

## B. GROUP 2 REGULATIONS

This Rulebook is written in a positive nature and therefore should be used in that manner. As this section of the Rulebook deals with Classes in Group 2, be reminded that only changes that are specifically outlined are allowed. If a change being considered is not listed, then it is not allowed.

Anything allowed in a given Group 1 or 1-Street Class is assumed to be allowed in the equivalent Group 2 Class.

Updating or backdating of parts between the '53-'82 cars and the '84-newer cars is not allowed.

### 1. SAFETY EQUIPMENT (*SEE REQUIREMENTS IN TECH*)

- a. Seat belts: stock type or better. They must be in good condition.
- b. Fire extinguisher –fire extinguisher with a minimum rating of 5 BC is recommended for low speed events. Must be mounted within reach of driver with seat belt/harnesses released. Fire extinguisher must have a gauge showing charge level and be securely mounted with a metal bracket. Fire extinguisher is required for high speed events.
- c. Roll bar or cage is required in all roadsters in High Speed Events and Waterford Time Trials. Not required for Matching Times or drags.
- d. Stock seats may be replaced with commercially manufactured aftermarket seats that are securely mounted in a manner that is functional and safe as follows:
  - 1.) Functional upholstered back-breakable seats similar to stock type provided they are mounted in a manner that is functional and safe.
  - 2.) Functional upholstered non back-breakable seat that is securely mounted in a manner that is functional and safe. A five-point harness, with each belt being at least three (3) inches wide and approved, is to be used in connection with this type seat
- e. Use of additional safety equipment is recommended (roll bar/cage, shoulder harness, 3" lap belt, scattershield, traction bars, etc.).

### 2. FRAME

- a. Stock except reinforcing and spreader bar are allowed.
- b. Transmission cross member on pre-1984 is not Considered part of the frame.
- c. Rear cross member may not be relocated higher than standard location.

### 3. SUSPENSION MEMBERS

Stock or adjustable ball joints and strut rods are allowed, ball joint spacers are not allowed.

### 4. SUSPENSION BUSHINGS

Stock type or equivalent (solid bushings allowed).

### 5. SUSPENSION ALIGNMENT

The suspension may be adjusted through its designed range of adjustment, using or removing shims where authorized by Corvette Service Manual, but no part may be modified for the purpose of adjustment except on 1984 and up the "fat washers" on the front upper control arm may be interchanged or modified but washers with conical surface must remain in place. Spacers may be used under the rear camber bracket (1963-82 only).

## 6. SPRINGS

Any Corvette or equivalent of correct configuration for year, i.e. front coil springs can only be replaced with coil springs.

## 7. SHOCKS

Shocks using stock mounting required. Any type except coil-over allowed.

## 8. SWAY BARS

Any Corvette or aftermarket if same size, shape and type mounting that came on any Corvette except no mixing of sway bars between '53-'82 and 84 & up cars. Endlinks can be Heim jointed and adjustable. Sway bars may have multiple endlink position holes.

## 9. BRAKES

- a. Stock Corvette. Replacement of drums with stock Corvette disc allowed. Aftermarket anti-locking brake systems or water cooling not allowed.
- b. Performance type brake pads and steel braided brake lines allowed.
- c. Stock Corvette type dual-pin calipers allowed on pre '84 cars.
- d. On '84-newer cars, commercially available aftermarket brackets (adapters) maybe used to update brakes within a Class.
- e. Removal of brake dust shield allowed.
- f. Air cooling ducts allowed.
- g. Stock-size drilled, dimpled, or slotted rotors allowed.
- h. Two piece rotors of same material, size, and weight as stock allowed.

## 10. STEERING

- a. Stock type rag joint may be replaced with universal joint steering coupler.
- b. Bump steer correction allowed (1963-82 only).

## 11. BODY

- a. Basic stock Corvette type. All custom body panels, including wings/spoilers and fender flares, of approximate stock weight or heavier are allowed.
- b. Kevlar (or other significantly lighter materials) body panels are not allowed.
- c. Tilt front ends must have all the inner fenders.
- d. Functional intake air scoops are allowed (be aware of other restrictions).
- e. Hood latch mechanism can be removed and hood pins used with aftermarket hoods.

## 12. ENGINE, ENGINE COMPONENTS & ACCESSORIES

- a. May update and/or backdate within your Class. May crossbreed parts from any engine within your Class.
- b. ENGINE/BODY COMBINATIONS ALLOWED

- 1.) MUST run a Corvette engine, and must run that engine class, except: Classics ('53-'62), Stingrays ('63-'82) and '84-96, and '97-newer cannot intermix.
  - 2.) In addition to the engine/body combinations specified in Section II E 3. (Classification Guide): Class A ('65-'74 big blocks) can use '63-'82 body styles, Class B ('63-'80 high compression engines) can use '63-'82 body styles, Class C ('63-'70 low compression engines) can use '63-'82 body styles and Class D ('71-'82 low compression engines) can use '68-'82 body styles.
- c. All mechanical parts MUST be stock Chevrolet unless specified otherwise in remainder of this Section, but cosmetic items (valve covers, air cleaner, etc.) may be aftermarket.
- d. BLUEPRINTING AND BALANCING -- allowed in all Group II Classes.
- e. IGNITION
- 1.) '53-'82 -- Any battery operated ignition. Magnetos are not allowed.
  - 2.) '84-up -- Must be controlled by ECM computer. Magnetos not allowed.
- f. COMPUTER (ECM) -- Computer and its sensors, accessories and connections must be strictly stock except for:
- 1.) Aftermarket calibration proms allowed or computer internal memory maybe reprogrammed.
  - 2.) Aftermarket add-on controllers are not allowed.
- g. FUEL PUMP PRESSURE REGULATORS AND FUEL LINES -- Any type fuel pump (mechanical or electric or both). Adjustable or shimmed stock regulator is allowed. Fuel lines may be wrapped; plenum, runners, etc. may not be.
- h. FUEL CELL -- Allowed.
- i. RELIABILITY ITEMS --Flex fan, oil pan, Accu-sumps, engine oil coolers and other reliability items allowed. May add electric fan on '53-'82 but MUST still use engine driven fan.
- j. BATTERY-- May be relocated behind seat, provided it is in a vented battery box and securely mounted.
- k. HARMONIC BALANCER -- Any including fluid dampeners allowed.
- l. WATER PUMP -- Stock Corvette for Class and engine.
- m. ENGINE PULLEYS—Aftermarket, performance-type pulleys allowed.
- n. RADIATOR -- On pre-1984 years, an aftermarket radiator of essentially the same size, configuration, capacity and weight (or heavier) is allowed.
- o. AIR CLEANER-- Air cleaner and air filter MUST be in place at all times
- p. CARBURETOR / INJECTION
- 1.) '53-'82 -- Any carburetor change or mechanical Rochester F.I. Unit that will fit on stock Corvette manifold. Spacers are not allowed between intake manifold and carburetor.  
 Class C -- Limited to 600 CFM when Holley carburetor is used.  
 Class D -- Limited to Rochester QuadraJet only.

- 2.) '84-newer -- Stock for Class: except removing of screens from mass air flow sensor and aftermarket fuel injectors are allowed. Aftermarket airfoils are allowed.
  - q. INTAKE MANIFOLD -- Stock Corvette for engine and Class. See *Technically Speaking* for proper casting numbers. Lifter galley splash pan allowed.
  - r. CYLINDER HEADS
    - 1.) Stock Corvette for engine and Class. See *Technically Speaking* for proper casting numbers.
    - 2.) Matching of ports to a depth of 1/4" allowed.
    - 3.) Changing from press-in to screw-in studs with or without push rod guide plates is allowed. Stud girdles are allowed.
  - s. ROCKER ARMS, PUSH RODS AND LIFTERS -- Stock or aftermarket replacements (MUST conform to original configuration) allowed.
  - t. VALVE SPRINGS, RETAINERS AND KEEPERS-- Any.
  - u. BLOCK -- May run any Chevrolet block as long as all dimensions and components are correct for Class.
  - v. TIMING CHAIN AND GEARS -- Stock types for Class. Double roller chain and sprockets allowed.
  - w. CAMSHAFT -- Any camshaft that meets General Motors specifications for lift and duration for Class.
  - x. CYLINDER BORE: MAX 0.070" overbore including wear allowed.
  - y. STROKE-- Strictly stock.
  - z. Pistons -- OEM replacement type pistons of same weight, dimensions and configuration (Dome, Dome height, flycuts and dish) are allowed. Balancing the pistons is allowed.
  - aa. RINGS AND BEARINGS -- Aftermarket (MUST conform to original configuration) allowed.
  - ab. CONNECTING RODS-- Stock Corvette.
    - 1.) Balancing allowed.
    - 2.) Full floating allowed where stock Corvette or allowable replacement pistons will accommodate wrist pin locks.
    - 3.) Replacement rod bolts of same size allowed.
  - ac. CRANKSHAFT - Stock Corvette.
    - 1.) Balancing allowed.
    - 2.) Blueprinting and/or indexing allowed.
  - ad. OIL PUMP - Stock type. Dry sumps not allowed.
13. CLUTCH AND FLYWHEEL
- Stock operating type (no Clutchflite). Aluminum not allowed.

14. TRANSMISSION

- a. Any transmission that was Factory on a Corvette in the same Class.
- b. Aftermarket shifters, shift kits and converters are allowed.
- c. Aftermarket transmission coolers are allowed.

15. DRIVE AXLE

Stock for Class, any ratio that will fit in the stock housing is allowed.

16. EXHAUST

Any, headers are allowed. MUST be able to comply with event requirements and/or local noise restrictions.

17. WHEELS

- a. Any width wheels with a minimum diameter of 15" for 1953-1982 Corvettes, adapters allowed.
- b. Any width wheels with a minimum diameter of 16" on 1984 & up, adapters allowed.

18. TIRES

- 1. Any DOT approved street tire with a minimum diameter of 15" for 1953-1982 Corvettes.
- 2. Any DOT approved street tire with a minimum diameter of 16" on '84-newer Corvettes.

19. REMOVAL OF EQUIPMENT

Items from the following table may be removed from a Group 2 Corvette:

Emissions equip	*T-tops, hard tops	Removable rear window	Spare tire carrier
Exhaust system	Grille	Rocker panels	Heater hoses
*Convertible tops & top mechanism	Air conditioning parts -- firewall must be sealed	Fan shroud & splash panels	Ignition shielding
Heater --'53-'68 cars if Factory covers over holes in dash	Belt -- only required on, crank, alternator & water pump	Front & or rear bumper-- facia(s) must remain in place	Misc. exterior & engine trim items

\*Competition Committee recommends they remain in place for High Speed Events

20. SPECIAL RESTRICTIONS FOR RPO-B2K TWIN TURBO CALLAWAY CORVETTES

Interchanging parts from RPO-B2K Twin Turbo Callaway Corvettes with parts from other Corvettes or vice versa is not allowed. This restriction overrides the other regulations in this Section allowing exchanging of parts.

**C. GROUP 3 REGULATIONS**

Consult your NCCC Competition Manual section 2.7.4, or a member of the CCM Competition Committee for these regulations.

Corvettes exceeding CCM/NCCC Group 2 requirements but meeting SCCA or DCSCC Street Prepared rules may run in their appropriate Group 3 class.

## V. **TROPHY POLICY**

- A. Three or more cars constitute a complete class. A 2-car lowest ladies class will be allowed if there are not 3 cars in group Ladies I-S.
- B. If there is an incomplete class, the entrants will be moved into a successively higher class as outlined in Section V. D. until a class is formed.
- C. Bumping will start and stop within each Group with the exception that when required to form the minimum size bottom class, Groups may be crossed.
- D. Bumping procedure, both men's and ladies; Groups will bump:  
Groups 1S and 1: CL→C/D→A/B→E→F/G→H→J/K→M→N  
Group 2: CL→C/D→A/B→E→F/G→H→J/K→M→N  
Group 3: CL→A/B→E→H→K→N  
*Exception:* If a complete class in Group 1 A/B & C/D cannot be made, then they must beat below (Group 1S).  
Bumping stops at Group 3 Modified.  
An incomplete RP class must beat below.
- E. Trophy Policy
  1. Trophies shall be awarded to the driver [in complete classes] as follows:
    - 1 trophy; 2-6 cars
    - 2 trophies; 7-11 cars
    - 3 trophies; 12-17 cars
    - 4 trophies; 18-24 cars
    - 5 trophies; 25-34 cars
  2. For incomplete classes, the fastest entrant in an incomplete class must meet the criteria for 35 competition points. (see page 54)

## VI. **PROTESTS**

- A. All protests will be submitted in writing to a member of the Competition Committee or Event Chairperson.
  1. Course: Protests will be submitted at least 30 minutes before the start of timing.
  2. Course operation: Protest can be submitted at any time during the running of the event. However, no protest will constitute the right to stop or rerun the event.
  3. Entry protest: Technical protest against any entrant must be received before the entrant makes his runs. Protests may be registered only by a competitor.
  4. Individual run: Protests must be received from an entrant within 30 minutes of the run.
- B. Protests will be ruled on by the CCM Competition Committee and the Event Chairperson.

## VII. **AUTOCROSS EVENT INSTRUCTIONS**

- A. The Event Chairperson will be responsible for obtaining detailed instructions from the Competition Director and an event check list. The Event Chairperson will be required to present their proposed course design for review at a competition committee meeting preceding their event.
- B. The Competition Committee is responsible for getting the CCM trailer to and from the event.
- C. Event Chairperson course setup guidelines:
  - 1) The centerline of the course shall be a minimum distance of 25 feet from all fixed objects.
  - 2) All spectators shall be kept at a minimum distance of 100 feet from the centerline of the course.
  - 3) To allow multiple car timing on the same course, it is recommended that all adjacent sections of the course be a minimum of 75 feet from each other whenever possible.
  - 4) To yield an enjoyable course to entrants, the following distances between pylons are to be:
    - 5) Gate on straight - 10 foot minimum.
    - 6) Gate on curve - 15 foot minimum on radius.
    - 7) Straight chicane - 50 foot minimum.
    - 8) Adjacent elements that are offset more than 2 feet, consecutive pylons must be a minimum of 25 feet.
    - 9) On high-speed events, pylons should be used to lower speeds below the maximum speed that any given vehicle can obtain on a given corner.
    - 10) Red pylons will be placed on the right and yellow pylons on the left side of the course.
    - 11) Optional chicanes are to have all pylons the same color with the first pylon location marked by two adjacent pylons; a red pylon at the left touching a yellow pylon on the right.
    - 12) One bucket (360°) turns and keyholes are not allowed for reason of loss of oil pressure.
    - 13) Chalk all pylons to allow exact placement.
    - 14) Post course diagram.
- D. Event Flyers
  - 1) Chairperson or designee shall submit flyer to Competition Committee at least (2) months prior to event. Flyers shall be posted to the CCM website calendar as soon as possible.
  - 2) Registration times will be included on the event flyer. (DCSCC Championship events from 9:00 A.M. until 11:00 A.M.)
  - 3) **All competition flyers** (sanctioned and non-sanctioned) must contain an NCCC Sanction or Non-Sanction number (where applicable) for insurance purposes and prepared according to the NCCC Rulebook using the correct naming format (region-club number-sanction or non-sanction number, examples MI-006-XXX or MI-006-NXX).

- 4) (NCCC) Chairperson or designee must refer to the NCCC Rulebook to ensure that all flyers are submitted by the stated deadline. All flyers will be posted to the NCCC Competition Calendar using the Governor's Competition Database as specified in the Governor's Competition Guide and per the NCCC timeline. Flyers will be reviewed and approved/disapproved by the RCD.
- E. Drivers' meeting shall be held before first car off.
  - F. In the expectation of temperature over 80°, the Event Chairperson will provide iced water bottles in coolers placed at course worker stations. The Club will provide the coolers and reimburse the Event Chairperson for the water and ice.
  - G. Worker times are to be turned in to the Points Director within 30 days or forfeit chairperson points.
  - H. Event Results
    - 1) Chairperson or designee shall complete results and submit for publishing in the **CCM-Events Facebook group** within two weeks of the event.
    - 2) (NCCC) Chairperson or designee shall submit completed results to the Governor using the approved NCCC Event Results reporting system as specified in the Governor's Competition Guide or as shown on the NCCC website.
    - 3) (NCCC) Michigan Region entrant fees are to be paid to the Michigan Regional Treasurer using the CCM approved form within 30 days of the event. Refer to the Michigan Region By-laws for the appropriate fees.
  - I. Chairperson shall secure trophies.
    - 1) A Khana pass may be accepted by the entrant in lieu of a trophy.
    - 2) Trophy Budget - Up to 55% of the event entry fees may be spent for trophies
  - J. Gate fees collected are used to offset the track and other required expenses. If these fees exceed costs, the excess will be added to the entry fees.

### VIII. **WORKER INSTRUCTIONS**

#### A. Turn Marshall

1. Find out your station number and which pylons you are responsible for.
2. Penalties will be called into timing by one worker at each turn station with a radio supplied by the club. An experienced turn worker will control the radio. A radio check will be done when starting your shift. A call to timing is only necessary when a penalty is assessed. When a penalty is called in, state the corner and car number and the penalty, timing will confirm the call. A call is necessary for any of the following:

Pylon knocked down - number knocked down.

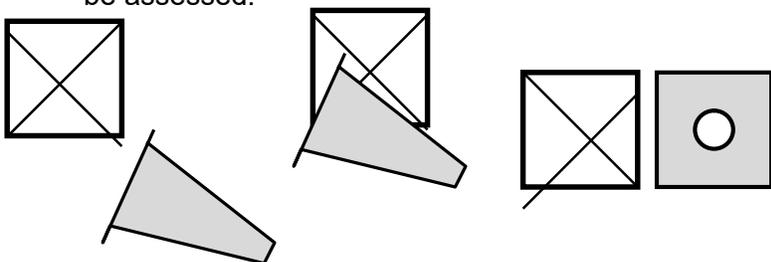
Off Course - missing a gate or pylon in a chicane Wheels off pavement - (Road course or track) more than two wheels off pavement.

Red Flag - when red flag is displayed to the entrant.

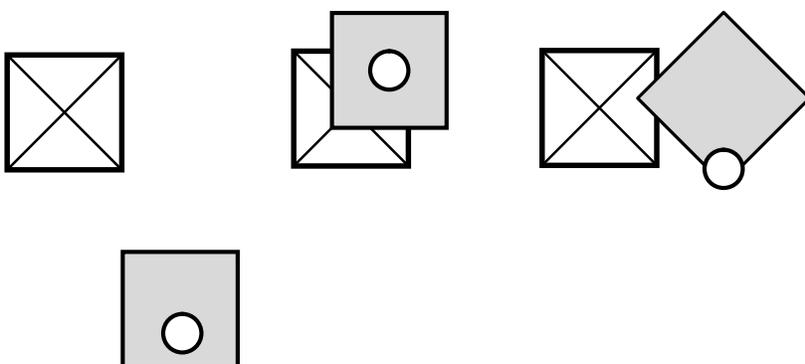
Red Flag Ignored.

Did Not Finish - Entrant pulls off course before finishing run.

The following diagrams should help clarify situations in which penalties should and should not be assessed:



#### **PENALTY ASSESSED**



#### **NO PENALTY ASSESSED**

3. Use your red flag to stop any driver who may be overtaking another driver, driving hazardously or in any way endangering the competitor or another person.
4. Off-course cars may be stopped to explain their errors only if they are stopped far from the course area.
5. Keep non-competing spectators behind the fence and flag barriers.

B. Gate Marshall

NOTE: At all times, an adult (at least 18 years old) must be at the gate before and during the event.

1. All persons entering must sign the waiver on the front side of the sheet. (The only exception may be GM employees arriving for work.) Parent or legal guardian must sign appropriate waiver for minors; minor waiver will be valid for the calendar year.
2. Make persons entering aware of our rules:
  - a. No speeding - 5 MPH limit.
  - b. No squealing tires.
  - c. No reckless driving.
  - d. No alcohol or drugs.
3. Visually check cars for alcoholic beverages or drugs.

C. Safety Run Driver

Safety run drivers may register and run as a normal entrant. However, for scoring purposes only, the first safety run and only the first, will not be subtracted from the number of runs allowed for that particular event. All subsequent runs will count as practice runs, i.e., if the safety run driver makes two runs and four timed runs are allowed for scoring that event, his last run will not count for scoring. An individual can only be a safety run driver for one event per competition year.

# DRAGS

## I. **ENTRANT INSTRUCTIONS**

### A. General

1. Use or possession of intoxicating beverages or drugs by entrants, workers or guests before or during any event is not permitted.
2. All entrants or spectators must sign the CCM form "Waiver of Liability Recourse". All minors must have appropriate minor waivers signed in accordance with insurance requirements.
3. The right to disqualify and evict from the premises any entrant or spectator for undue recklessness, poor sportsmanship or conduct at or near the event is reserved by the Competition Committee or Event Chairperson.
4. Passengers will be allowed during time trials only, provided they are registered entrants and only single car runs, providing the drag strip allows it.
5. Dial-in times will be established on entrant's registration card and submitted at driver's meeting.
6. For a car with 2 drivers of the same gender, the 2 drivers must be related and will be the first and the last pairings in different brackets for the first round of eliminations. This will be highly discouraged if both have Corvettes.
7. In the event that two drivers of the same car are the finalists for Top Eliminator, each will be given bye-runs, and the winner will be the driver with the smallest difference of their E.T. to (dial-in plus reaction time).

### B. Registration

1. All entrants must show proof of valid driver's license. Entrants other than CCM, DCSCC and NCCC must show proof of insurance on their automobile.
2. All entrants must be at least 18 years of age.

### C. Technical Inspection

All cars must pass a technical inspection consisting of the following:

1. Tire condition.
2. Brakes (even, straight stop).
3. Steering and suspension.
4. Seat belts properly mounted.
5. Removal of all loose objects from within the car.
6. Removal of clip type hubcaps.
7. Positive throttle linkage return.
8. Fluid leaks: gas, brake, oil, water.
9. Engine hoods are required as a safety feature (must be latched or secured).
10. All cars must conform to any technical requirements set by the track, and pass any technical inspection required by the track.

#### D. Competition

1. ET drags consist of straight-line acceleration where two contestants start from rest upon a signal and the first one to cross the finish line is the winner.
2. Time trial drags (one car at a time) are also held where the winner is the car with the lowest elapsed time.
3. Bracket drags consist of straight-line acceleration where two contestants start from rest upon a signal according to their dial-in time and the first one to cross the finish line without breaking out is the winner.
4. Basic drag racing terminology:
  - a. Winner - The winner is the car that crosses the  $\frac{1}{4}$  mile finish line first, provided it was a fair start (there was no "red light").
  - b. ET - The elapsed time starts when the starting line is crossed and stops when the finish line is crossed.
  - c. M.P.H. - The average speed over a short distance which starts 66 feet before the end of the  $\frac{1}{4}$  mile and ends at the  $\frac{1}{4}$  mile mark.
  - d. Stage - The car is slowly moved up to the starting line until an electric eye beam is broken by the front wheels. This is indicated by the small "stage lights" on the "Christmas Tree". There is an early warning, or "pre stage" light, and then 6 inches further is the stage light which must be lit before the "Tree" will start. It does not matter if the pre stage light remains on. You should be ready for the "Tree" to start as soon as your stage light is on.
  - e. "Christmas Tree" - This has three yellow lights and a green light that will light in sequence in 1/2-second increments. You should learn by how much to anticipate the green light and "launch" the car before the "green" illuminates. When you pick up your time slip on the return road, look at the reaction time. You should adjust your anticipation of the green light to get as close as possible to this time. The "Christmas Tree" will show a red light if the front wheels leave the stage electric eye beam by rolling backward or forward during the yellow count down before the green light. A "red light" is an automatic loss unless on a bye run.
  - f. Dial-in - A time you select for your car to handicap you against any car you run against. In bracket drags, after completing practice, you will decide what dial-in time to select. That time will be used to determine your class and will be the basis for calculating the handicap against any competition you run against. The dial-in time may be changed after any winning run.
  - g. Break Out - If you run faster than your dial-in time, this is called a break out. If both cars break out, the driver who breaks out the least is the winner.
5. All entrants must wear securely mounted seat belts. Shoulder harness must not be used in convertibles without roll bars.
6. All entrants must wear a helmet.
7. All cars must run with tops and side windows up. Convertibles may run with the top down if the car is equipped with a roll bar, in which case, the driver must wear a helmet with full face shield or goggles.
8. Flywheel shields are recommended on all cars other than cars equipped with stock hydraulic lifter cams.

9. Class winners will be subject to re-inspection after eliminations. It is the responsibility of the entrant to make sure that his car is properly classified.
10. Entrants may ride as passengers during time trials on a solo run, if permitted by the drag strip.
11. Nitrous oxide allowed, subject to drag strip rules.

**II. CLASSIFICATION**

Bracket Drags: Men's and ladies classes to be established independently by the following procedure:

- A. All cars in one class until maximum class size of eight (8) cars is reached. Then cars are separated into classes per the following charts until the number of entrants exceeds forty (40).

# of Entrants	0-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
CLASS																	
1; L1	0-8	5	6	4	6	7	8	7	8	4	6	6	8	7	8	8	8
2; L2		4	4	7	6	6	6	8	8	7	6	6	6	8	8	7	8
3; L3 slowest										6	6	7	6	6	6	8	8

Entrants	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CLASS																
1; L1	8	6	4	8	8	8	7	8	5	8	8	8	5	8	8	8
2; L2	5	8	8	8	8	8	8	8	8	4	8	8	8	8	7	8
3; L3	4	4	7	8	8	6	8	8	8	8	4	8	8	8	8	8
4; L4	8	8	8	4	5	8	8	8	4	8	8	8	8	6	8	8
5; L5 slowest									8	6	7	4	8	8	8	8

First round dial-in times are used to establish class. The dial-in time for a same gender second driver may be outside the class bracket. Dial-in for subsequent rounds cannot vary by more than +/- 0.2 seconds from original class group times.

- B. With forty-one or more entrants, classes are established by suggested time breaks as follows:

Men's	Ladies	E. T. Bracket
1	L1	0 - 11.49
2	L2	11.50 - 12.99
3	L3	13.00 - 13.99
4	L4	14.00 - 14.99
5	L5	15.00 and slower

- C. First round bye runs, where required, are determined by some equal chance such as coin toss, cut deck of cards, draw straws, etc.
- D. If less than 4 in class, cars will be bumped in the following sequence: 1 → 2 → 3 → 4 → 5. If class 5 is incomplete, it will bump to class 4.
- E. If there is only one female competitor she will run in a men's class.

### **III. TROPHY POLICY**

Trophies will be awarded on the following basis:

- A. Each bracket winner and runner-up (second) is determined by elimination. Remaining finishing positions are determined by number of rounds won. If both cars break out, the car with the least break out (closest time) wins. Cars surviving the same number of rounds are positioned by closest E. T. above dial-in, then closest E. T. below dial-in, then red light. In any elimination, the first entrant to red light loses. An entrant who attains the next round of eliminations by a bye-run and then loses that elimination is positioned among the previous round losers based on his E. T. to dial-in differential in their losing round. If more than one loser in a round has a red light, they will be tied for last place in that round.
- B. A 1<sup>st</sup> place trophy for winner of class. A second place trophy for a class with 7 or more entrants. A third place trophy for a class with 12 or more entrants, etc.

### **IV. PROTESTS**

Protests will be ruled on by the CCM Competition Committee and the event chairperson.

### **V. CHAIRPERSON INSTRUCTIONS**

- A. Arrange for the following workers:
  - 1. Registration.
  - 2. Technical Inspection.
  - 3. Staging.
  - 4. Starting.
  - 5. E. T. Booth.
  - 6. Tower.
  - 7. Gate.
- B. Drag chairperson is to tabulate results and shall secure trophies.
- C. **Submit results to the Social Media Director for publication on the CCM-Events Facebook group.**
- D. Turn in workers times to the Points Director within 30 days or forfeit chairperson points.

# RALLYE

## I. **ENTRANT INSTRUCTIONS**

### A. General

1. Use or possession of intoxicating beverages or drugs by entrants, workers or guests before or during any event is not permitted.
2. All entrants or spectators must sign the CCM form "Waiver of Liability Recourse" specific to Rallye. All minors must have appropriate minor waivers signed in accordance with insurance requirements.
3. Further instructions will be included in the general instructions of each rallye.

### B. Registration

All entrants must show proof of valid driver's license. Drivers must be a minimum of 18 years of age.

### C. Technical Inspection - may include:

1. **Tires - 2/32 inch minimum tread, no visible cords**
2. Steering.
3. Windshield wipers.
4. Brake lights.
5. Tail lights.
6. Seat belts.
7. Brakes.
8. Horn.
9. Turn signals.
10. Headlights (low beam minimum).
11. License plate light.

### D. Competition - The Rallye

1. A rallye is a competition making use of roads and highways that the ordinary driver uses. Each participating vehicle requires a driver and a navigator. The navigator guides the driver by reading the rallye instructions and telling him where to turn, stop, slow down, speed up, etc., in order to maintain the proper speed along the rallye route.
2. In a TSD (Time-Speed-Distance) rallye the vehicles participating in a rallye are lined up at the starting point where each navigator is given a set of instructions which outline the route to be taken and the average speed along the route. The idea is to adhere to these instructions as closely as possible. The car leaves the starting line at a predetermined time at a minimum of one minute intervals. Checkpoints along the route are the means by which each entrant is checked to see that they are on the correct route. The rallyist has no idea where these checkpoints will be or how many there will be until he suddenly approaches one. Since each checkpoint records the time of each vehicle as it enters, it is best to maintain the listed average speed at all times.

3. Penalty points are assessed for missing a checkpoint or arriving there early or late. The rallye is made up of individual legs, which are set off by checkpoints. The total penalty points for the rallye is the sum total of penalty points at each of the checkpoints. Trophies are awarded on the basis of the least penalty points. Penalty points must be published in the generals.
4. TSD (Time, Speed and Distance) - a rallye designed to encourage all rallyists. This type includes all terminology and the emphasis is on more exact execution and calculations.
5. Common Rallye Instructions:
  - a. L - A turn to the left of approximately 90 degrees.
  - b. R - A turn to the right of approximately 90 degrees.
  - c. Bear - A turn of substantially less than 90 degrees.
  - d. Acute - A turn of substantially more than 90 degrees.
  - e. T - A point in the road being traveled where the road comes to an end by joining another road which it meets at approximately 90 degrees. It is not possible to go straight at a T.
  - f. Y - An intersection having the general shape of the letter Y, requiring a turn to the left or right - both turns being of substantially less than 90 degrees. It is not possible to go straight at a Y.
  - g. SS - Stop sign.
  - h. LIGHT - A three (3) element traffic aid, working or not.
  - i. BLINKER - A one (1) element traffic aid, working or not.
  - j. CHECKPOINT - A timing control which records the time of all rallye vehicles.
  - k. OPPORTUNITY - A public road having a road sign visible at the intersection.
  - l. CHANCE - A public road not having a road sign visible at the intersection.
  - m. C. A. S. T. - Change Average Speed To.
  - n. S. R. I. P. - Sign reading in part.
  - o. DIY START - Do it yourself start. Upon registering, you will receive a number and time out. This is your official starting time of the rallye and will be your time out.
  - p. DIY FINISH - Do it yourself finish. No checkpoint will be posted at the rallye finish. Upon arriving at a predetermined location, record your time of day on your instruction sheet and turn it in to the rallye official who will be awaiting your arrival. You may also be asked to record mileage driven.
  - q. JOG - A turn in one (1) direction to be specified, which is followed within one-tenth (1/10) of a mile by a turn in the other direction. A jog can only be executed at a T.
  - r. LANDMARKS - Landmarks may be houses, barns, signs, buildings, silos, etc. All landmarks must be permanent fixtures.
  - s. LEG - The part of the rallye route extending from one (1) timing control to the next.
  - t. PAVED - A road having continuous hard surfaces such as concrete, brick, asphalt, etc.
  - u. FOLLOW - To follow the road stated. The road may be straight ahead of you, or a right or left turn may be necessary to complete the instruction.

- v. CONTINUE - To change the road name with little or no change in direction.
- w. N, S, E, W - North, South, East, West.
- x. SOL - Sign On Left

## **II. CLASSIFICATION – FUN RALLYE & ECONOMY RUNS**

Refer to NCCC Handbook for these outside events.

## **III. RALLYE CLASSIFICATION - TSD RALLIES**

The following class system will be used for TSD rallies unless specific exception is granted to the Rallyemaster prior to the advertisement of the event.

### **A. Class 3 - Unequipped**

Equipment permitted:

1. Speedometer.
2. Odometer (non-resettable).
3. Odometer (resettable - need not be factory installed).
4. Compass.
5. Lights.
6. Maps.
7. Time of Day Watch.
8. Maximum of one stopwatch or chronometer type watch.
9. Pencils, paper, clipboard.

### **B. Class 2 - Semi-Equipped - Same as Class 3 except additional Equipment permitted:**

1. Stopwatches.
2. Rallye tables or card systems.
3. Slide rule.
4. Stevens, Taylor, Blackwell (TSD calculation tools).
5. One commercially available, single memory electronic calculator or non-accumulative mechanical calculator.

### **C. Class 1 - Equipped**

Any equipment included, specifically including:

1. Any device capable of reversing the odometer.
2. Any device capable of correcting the odometer to the official odometer.
3. Any cumulative mechanical calculator or multiple memory electronic calculator. All C-5 & C6 Corvettes have onboard mileage computers. Unless entrant declares they will not use the computer they will be put in class 1.
4. Any vehicle driven computer.

5. Any Global Positioning Satellite device.

NOTE: Teams may register and compete in higher classes. Teams to be classed by the technical inspector.

D. Non-Corvette Class

1. To be offered at CCM rallyes during the months of April-December for those who wish to run the rallye for fun.
2. No competition points are awarded for this class. Trophies will be awarded in the event there is a three car class.
3. Any equipment may be used in this class.

**IV. TROPHY POLICY**

A. Trophy sets shall be awarded to the driver and navigator as follows: One trophy is to be given to a driver and navigator team residing at the same residence.

1 trophy set - 3 cars

2 trophy set - 7 cars

3 trophy set - 12 cars

4 trophy set - 18 cars

5 trophy set - 25 cars

\*Rallye - minimum 3 car class

B. Rallye Bumping Procedure: Class 3 bumps to 2, and Class 2 to 1. In the case of an incomplete class in 1, the class would have to better all classes.

C. Economy Run Bumping Procedure. The lowest incomplete class shall bump to the next higher class. Other incomplete classes have to best all cars below them.

**V. PROTESTS**

A. Protests shall be in writing to the Rallyemaster.

B. Protests shall be ruled on by the Event Chairperson. The Competition Committee will rule on the protest only if it cannot be resolved between the Event Chairperson and the Competitor.

C. Decisions made on protest will be included with the results.

**VI. RALLYEMASTER GUIDELINES**

\* Indicates these are not guidelines, but rules that must be followed without exception - L, M, N, O, P, S thru Y.

A. The Chairperson shall attend a Competition Committee meeting at least 30 days before the event.

B. The Chairperson shall be responsible for securing the following:

1. Route.
2. Route instructions.
3. Workers and worker meetings, giving workers times to the Points Director within 30 days or forfeit Chairperson points.
4. Technical inspection.
5. Establish checkpoints.

- 6. Panic slips (rallye) - showing next check point and next instruction that should be used.
- C. The route should avoid downtown areas, congested areas, city side streets and residential areas.
- D. The route should be on good hard surfaced public roads.
- E. The route of a TSD rallye should consist of a minimum of 4 individually scored legs.
- F. Left turns off a busy highway should be avoided, especially at night. If this is not possible, then the exact position of the turn should be identified.
- G. Left hand opportunities, chances, landmarks and questions should be avoided at night. Landmarks must be permanent fixtures.
- H. All execution instructions which are required for following the correct route of a TSD rallye are to be individually numbered unless otherwise stated.
- I. The instructions should be in the final typed stages two weeks before the event.
- J. The Chairperson shall provide for a pre-run no more than 24 hours before the event to insure that there are no changes in the route instructions.
- K. The Chairperson shall secure trophies.
- \*L. The penalty for being early or late must be the same, all penalties shall be given in the GENERAL INSTRUCTIONS.
- \*M. Penalty limits for extra passengers (rallies only) 12 years and older... 20 minutes late maximum per rallye.
- \*N. Route must be pre-run under rallye conditions with a driver that is not familiar with the route for the purpose of adjusting times and speeds. (Recommend that an experienced team be used).
- \*O. Flyers must be submitted to the **Social Media Director** for posting the month before the event.
- \*P. Any variations or exceptions must be approved by the Competition Committee.
- Q. Additional suggestions:
  - 1. Rallye should not exceed 80 miles.
  - 2. Questions should be numbered.
  - 3. Answers to questions on TSD rallies will be used for tie breaking purposes only.
  - 4. Rallyemaster should provide for post sweep car.
- R. Checkpoint slip should indicate next or last instruction, checkpoint mileage, previous leg length and official previous leg time.
- \*S. All cars must be dispatched from controls at a minimum of approximately one-minute intervals.
- \*T. If more than half of the planned legs are discarded, the event shall be ruled invalid and moneys refunded.
- \*U. Finish location must be included in the GENERAL INSTRUCTIONS or announced at the drivers' meeting. To receive competition points, an entrant must report in to the Rallyemaster at the finish. Any questions to be decided by the Competition Committee.
- \*V. If there are more than 4 miles between consecutive instructions, the distance MUST be given plus or minus 1 mile.
- \*W. The maximum average speed for any section of the rallye MUST be at least ten percent (10%) lower than that which can be safely maintained under posted speed limits. Any unexpected circumstances that arise, such as heavy rain, snow, heavy traffic, etc., MUST be driven at an average speed of at least twenty five percent (25%) lower than the posted speed limits. The more difficult the course or the greater number of instructions, the lower the average speed should be.
- \*X. Rallye leg times shall be available at the finish.
- Y. Rallyemaster fuel allowance - **\$100.00**.
- Z. Mileage should be measured with an odometer reading in increments no larger than 0.01 miles. The TSD Rallye shall be measured in one continuous run at approximately rallye speeds and time of day, observing all rallye pauses.

AA. Competition Director or Chairperson for an NCCC sanctioned event must refer to the NCCC Rulebook to ensure that all flyers and event results are submitted by the stated deadline. All competition flyers (sanctioned and non-sanctioned) must contain an NCCC Sanction or Non-Sanction Number (where applicable) for insurance purposes. All flyers must be mailed or emailed by the NCCC Governor to the Michigan Regional Competition Director and Regional Executive. NCCC entrant fees are to be paid to the Michigan Regional Treasurer, using the CCM approved form, within 30 days of the event. Fees are \$0.75/entrant for any sanctioned speed event, and \$0.75/vehicle for a sanctioned car show or rallye.

BB. Chairperson must use the approved NCCC Event Results reporting file. Multiple events to be reported in one file as instructed. Rallye scoring will be done using a common method and according to NCCC rule 5.18

# CONCOURS d'ELEGANCE

## I. **General Comments**

The Corvette Club of Michigan considers condition and cleanliness in its Concours d'Elegance judging program. No consideration for originality of any portion of a Corvette is intended or recommended.

There are certain elements of Corvettes that will normally be inspected during the judging interval. The entrant may be requested by the judge to remove/open them during each judging review. Any attempt to list all of these items would, no doubt, be incomplete. However, to give the entrant an indication of the anticipated completeness of the judging, the following list is provided. Keep in mind that the list is not intended to be all-inclusive and additional items may be a part of the aforementioned judging.

Please note the following: Floor Mats, Gas Filler covers (opened), Trunk Mats, (Spare Tire Covers, Jacks, Tire Iron - Concours only), Seats (Moved Forward), Glove Compartments, Ash Trays, Rear Storage Compartments, Convertible Top Storage Compartment (Concours only), etc. Due to the addition of these items it will be necessary to revise certain judging sheets to clearly indicate the appropriate judging considerations. For instance, the suspension components that are visible on the late model Corvettes must be judged only in the Undercarriage Section of the Judging Sheets.

## II. **CLASSIFICATION**

### A. Classes

C	Concours	RP	Race Prepared
S	Show	CH	Closed Hood
R	Raced	RP/R	Race Prepared/Raced

### B. Qualifications for Classification:

1. **CONCOURS:** A car prepared for Concours, a recent restoration, or a car judged to be Concours prepared by the event chairperson and/or the Competition Committee.
2. **SHOW:** Any car not falling into the Concours, Raced, or Race Prepared classes.
3. **CLOSED HOOD** - No open hoods required. (Can receive a maximum of 20 competition points).
4. **RACED** - Must have run fifty percent or more of the CCM competition events of the current year prior to the Concours of that car.
5. **RACE PREPARED** - Must be required to run in the RP autocross class based on the autocross classification system.
6. **RACE PREPARED/RACED** - Must meet requirements for classes Raced and Race Prepared above. Must have run fifty percent or more of the CCM autocrosses of the current year.

## III. **JUDGING SHEET**

### 1. EXTERIOR BODY

Fit of hood, doors, boot, deck, light doors.	5
No damage (deduct points if chrome or bumpers removed and body not filled and painted).	10
No evidence of repair.	<u>5</u>
TOTAL	20

## 2. EXTERIOR PAINT

(Raced - Do not reduce points for stone chips [stone chips must show evidence of repair to qualify for exemption, i.e. painted.], door nicks and normal cracking due to age and use).

Cleanliness and finish.	10
No damage.	<u>10</u>
TOTAL	20

## 3. GLASS, EXTERIOR CHROME AND BRIGHTWORK

Including door glass, excluding wheels (chips in windshield will not count as minus points)

Cleanliness.	10
Finish.	5
No damage.	<u>5</u>
TOTAL	20

## 4. WHEELS

Cleanliness/visible brake parts.	6
Wheels w/hubcaps: visible paint and cap finish OR - Wheels w/o hubcaps: paint and/or chrome finish OR - Aluminum wheels.	<u>4</u>
TOTAL	10

## 5. TIRES

Cleanliness.	6
Stock tread depth OR - Racing tires.	<u>4</u>
TOTAL	10

## 6. WHEEL WELLS (visible) - Hood closed except Concours class

Cleanliness.	6
Paint.	<u>4</u>
TOTAL	10

(Raced and Race Prepared/Raced-Cleanliness only - 10 points possible)

## 7. INTERIOR - CARPET

Cleanliness.	6
No damage.	<u>4</u>
TOTAL	10

## 8. INTERIOR - UPHOLSTERY

(Do not reduce points for normal wear or cracking of leather seats except Concours prepared)

Cleanliness.	6
No damage.	<u>4</u>
TOTAL	10

9. DASH, GENERAL INTERIOR, TRUNK OR

LUGGAGE SPACE AND DOOR JAMBS

Cleanliness.	6
No damage.	<u>4</u>
TOTAL	10

10. RP and RP/R ONLY: INTERIOR

General Appearance.	10
Cleanliness.	<u>10</u>
TOTAL	20

11. ENGINE COMPARTMENT

(including area ahead of radiator and, on 1984 and newer Corvettes, include hood excluding wheel wells)

Cleanliness of engine.	13
*Paint on engine.	5
Cleanliness of compartment.	10
*Paint on compartment.	5
General electrical.	4
General mechanical.	<u>3</u>
TOTAL	40

\*Raced Class - does not apply ----- RACED TOTAL 30

12. UNDERCARRIAGE (CONCOURS CLASS ONLY)

Spare Tire Carrier - Condition of case, spare tire & base.	10
Springs, steering components, wheel components, strut rods, shock absorbers(front shocks and other suspension components are to be judged in this category on all Vettes, special emphasis on '84 up).	15
Frame, brake lines, fuel lines & filters (when applicable).	10
Drive Train - engine block, exhaust system, drive shaft, transmission, differential & carrier, half shafts/axle.	15
Underbody panels	<u>10</u>
TOTAL	60

13. VISIBLE FRAME AND SUSPENSION PARTS

(except Concours class)- Judge with hood closed (do not kneel, crawl or put head under car)

Cleanliness.	6
Paint.	<u>4</u>
TOTAL	10

14. TECHNICAL: In each blank, place two points if operative

Car must start under its own power.	_____
Tachometer operative.	_____
Oil pressure operative.	_____
Ammeter or volt operative.	_____
Gas gauge operative.	_____
Radio operative (two points if not equipped).	_____
Windshield wipers operative (Check manually).	_____
Horn – <b>Operated by a button affixed to steering wheel.</b>	_____
<b>Horn operation by key fob not acceptable.</b>	_____
Interior lights operative (include glove box light).	_____
Turn signal operative, front & rear (check tell-tales).	_____
Headlights, high/low working (check high beam tell-tales).	_____
Parking and license tag lights operative.	_____
Tail lights operative.	_____
Brake and back-up lights operative (check emergency tell-tales).	_____
Clock operative.	_____
TOTAL	MAXIMUM OF <u>30</u>

15. RP & RP/R ONLY: MECHANICAL AND ELECTRICAL

Steering.	2
Exhaust.	2
Tach (mechanical or electrical).	1
Oil pressure.	1
Brake lights.	1
Water temperature.	<u>1</u>
TOTAL	8

#### IV. **JUDGING SYSTEM**

##### A. **CONCOURS CLASS -**

- a. This class will be judged in a very strict manner. Exemptions from “showroom new” will not be accorded.
  - b. Judges are allowed to inspect all areas of the Corvette, including but not limited to the entire undercarriage, the trunk, the engine compartment (no engine component disassembly will be required), the interior and the convertible top, single top or “T” tops as appropriate.
  - c. No exemptions for stone chips or other normal wear and tear will be allowed.
  - d. The Corvette may be trailered to the event.
  - e. The Judges for this class are allowed to kneel, assume a prone position or utilize a mirror to inspect any portion of the Corvette.
- |   |            |
|---|------------|
| 1. Exterior body, glass, chrome, brightwork (#1 and #3)                           | 40 points  |
| 2. Exterior paint (#2)  | 20 points  |
| 3. Interior, upholstery, dash, trunk, wheels and tires<br>(#7, #8, #9, #4 and #5) | 50 points  |
| 4. Engine, wheel wells (#11 and #6)   | 50 points  |
| 5. Technical inspection (two points each) (#14)                                   | 30 points  |
| 6. Undercarriage (#12)  | 60 points  |
| TOTAL   | 250 points |

##### B. **SHOW CLASS**

- a. The underbody of the Corvette that is not visible from the standing position (any position that the judges can assume without leaving their feet) is not to be judged in this class.
  - b. The judging of convertible tops or removable single or “T” tops is optional.
- |   |            |
|---|------------|
| 1. Exterior body, glass, chrome, brightwork (#1 and #3)                           | 40 points  |
| 2. Exterior paint (#2)  | 20 points  |
| 3. Interior, upholstery, dash, trunk, wheels and tires<br>(#7, #8, #9, #4 and #5) | 50 points  |
| 4. Frame, suspension, engine, wheel wells<br>(#13, #11 and #6)                    | 60 points  |
| 5. Technical inspection, (two points each) (#14)                                  | 30 points  |
| TOTAL   | 200 points |

##### C. **CLOSED HOOD**

- |  |            |
|--|------------|
| 1. Exterior body, glass, chrome, brightwork (#1 and #3)                            | 40 points  |
| 2. Exterior paint (#2)   | 20 points  |
| 3. Interior, upholstery, dash, trunk, wheels, and tires<br>(#7, #8, #9, #4 and #5) | 50 points  |
| 4. Frame, suspension and wheel wells (#13 and #6)                                  | 20 points  |
| 5. Technical inspection (two points each) (#14)                                    | 30 points  |
| TOTAL  | 160 points |

##### D. **RACED CLASS**

- |   |            |
|---|------------|
| 1. Exterior body & paint, wheels, tires, wheel wells, frame<br>and suspension (#1, #2, #3, #4, #5, #6 and #7) | 100 points |
| 2. Interior (#8, #9 and #10)  | 30 points  |
| 3. Engine (#11)   | 30 points  |
| 4. Technical inspection (#13)   | 30 points  |
| TOTAL   | 190 points |

**E. RACE PREPARED CLASS**

- 1. Exterior body & paint, wheels, tires, wheel wells, frame and suspension (#1, #2, #4, #5, #6 and #13) 80 points
- 2. Interior (#10) 20 points
- 3. Engine (#11) 40 points
- 4. Mechanical & Electrical (#15) 8 points
- TOTAL 148 points

**F. RACE PREPARED/RACED CLASS**

- 1. Exterior body & paint, wheels, tires, wheel wells, frame and suspension (#1, #2, #4, #5, #6 and #13) 80 points
- 2. Interior (#10) 20 points
- 3. Engine (#11) 30 points
- 4. Mechanical & Electrical (#15) 8 points
- TOTAL 138 points

**V. CONCOURS AWARDS**

AWARDS	Concours - Show	CH - R - RP – RP/R
GOLD	96.0% & Up	94.0% & Up
SILVER	91.0% - 95.9%	89.0% -93.9%

**VI. PROTESTS**

All protests must be submitted in writing to the chairperson of the event before the judging begins. If an entrant feels a judge was unfair or inconsistent, he may approach the event chairperson for a final decision. The entrant may request a “white glove” test of items that a judge scores as dirty if the entrant disagrees.

**VII. ENTRANT INSTRUCTIONS**

- A. If the entrant at a non-CCM show/Concours wishes to have CCM competition points awarded towards the Year-end Concours Award, refer to the Competition Points section II.F.4 of this handbook.
- B. The entrant or entrants must remain at the Concours site during the judging by each of the judges. Any exception to this rule must be cleared with the majority of the other entrants at the official drivers’ meeting. Failure to comply could lead to disqualification by the Competition Committee.
- C. The entrant is to remain silent during judging unless asked a question by the judge. Failure to comply could lead to disqualification by the Competition Committee.
- D. Entrant will check judging sheet for items that may have been omitted after judging has been completed. Entrant may ask judge to point out items that points have been deducted for. Failure to comply could lead to disqualification by the Competition Committee. ENTRANT WILL NOT QUESTION JUDGE’S VALUES. If a judge feels an entrant is questioning his values, he should tell the entrant to see the Event Chairperson. Failure to stop discussion by entrant after warning could lead to disqualification.
- E. Any entrant who cleans his/her car after the stop cleaning time that has been announced or published by the event officials, will be disqualified. Any exceptions to this rule must be cleared with the Event Chairperson. Failure to comply could lead to disqualification by the Competition Committee.
- F. The entrant may choose to show the car with either top up or top down/removed. In the Concours class, the entrant may be asked to open the top for inspection.

**VIII. CHAIRPERSON AND WORKER INSTRUCTIONS**

- A. Chairperson will be responsible for obtaining three qualified judges for each category.
- B. Registration will close when judging begins. Cars must be available for judging at this time.
- C. Chairperson will turn in workers times to the Points Director within 30 days or forfeit chairperson points.
- D. A judge will not judge his own car. An average of the other judges will be substituted for his own score for his car.
- E. Only one entrant per car may judge.
- F. Points may be deducted in no less than ½ point increments.
- G. Each judge is to be consistent in his values and methods, and should spend the same amount of time judging each car. Model year and mileage of car should not be used in point value consideration.
- H. Only one judge will score a car at any given time
- I. Rounding-up of judging points is not allowed.

**IX. SURPRISE CONCOURS d'ELEGANCE**

A surprise Concours can be held at any calendared CCM event. No competition points are awarded for this event.

# POINTS

## I. GENERAL

- A. The yearly awards (Up to 10 Men's Overall Competition, up to 5 Ladies Overall Competition, Men's and Lady's Autocross Class Champion, Man and Lady Rookie of the Year, Man and Lady Autocross Award, Man and Lady FTD Award, Concours Award, Rallye Award and Worker Awards) will be determined by competition or worker points earned according to the following points system and will be presented at the Annual Awards Banquet.
- B. Points calendar ends and begins at the adjournment of the December Board of Directors' meeting.
- C. Those people who prefer not to have points recorded, must turn in a written request.
- D. Any errors in inside event results must be brought to the attention of the event chairperson or points director or competition director within 30 days of being published, otherwise they will stand as published. If results require correction, points will be awarded per the corrected version.

## II. COMPETITION POINTS SYSTEM

- A. CCM members will receive competition points for entering and competing in a competition event.
- B. Competition Events Counted:
  1. Any non-professional competition event sponsored by a sports car orientated club, which does not require special licensing to run, shall count for CCM competition points.
    1. An event is considered conflicting if the starting opening time for registration is within 6 hours of the CCM event starting time.
      - a. If a CCM social or competition event is canceled, outside events will count for points. An exception to this may be made by a decision of the President, Competition Director and Points Director if there was significant work on or participation at the event before cancellation or where the time of the outside event overlaps with the period during which work was done or participation began.
      - b. Calendared events are printed in the handbook and/or on the tentative calendar approved by the Board of Directors, or rescheduled calendared events, or added social events approved by the Board of Directors and posted in the [CCM-Events Facebook group](#) at least sixty days prior to the event.
      - c. An exception to the above is that a conflicting Concours will count only for the Concours Award.
    3. Outside club events must be announced at a CCM membership meeting, listed on DCSCC Hotline, or publication readily available to all CCM members (i.e., *Detroit Free Press*, *Detroit News*, *AutoWeek*, *Vette Vues*, etc.), or listed on the Internet to count for CCM points. Events more than 200 miles from Detroit need not be advertised.
    4. No rallye advertised in the above publications as Poker or Hare and Hound rallye shall count for CCM points.
    5. All events must be run in a Corvette to count for points. An exception to this is a rallye put on by a club other than a Corvette club and rallies put on during January, February and March. Another exception is that inside rallies run in a vehicle other than a Corvette may be counted for points, under unusual circumstances, if approval of the Competition Committee is received prior to first car out. This must be announced at the driver's meeting.

C. Competition Points:

- Points are determined by the following formula for Autocross, Matching Times, Drags, Rallies and outside Concours: (see table in back of book)

15 (N-P)

----- + 20 = Points

(N-1)

N= Number of cars in class

P= Finish position in class

- CCM autocross

- Bumping for inside events is according to the CCM Autocross Trophy Policy as stated on page 14. Points are awarded per the points table for complete classes.
- If incomplete classes remain after bumping has been completed, points are awarded in the incomplete classes as follows:

Group with complete class(es)

Position	Two Car Class	One Car Class
1st	35* or 30** or 25	35* or 30** or 20
2nd	30* or 25** or 20	

\*beat all other cars in group

\*\*beat all except one below in group

Group without a complete class

Position	Two Car Group	One Car Group
1st	35* or 30** or 25	35* or 30** or 20
2nd	30* or 25** or 20	

\*beat all cars below

\*\*beat all except one car below

2 car women lowest class

1st = 35 points

2nd = 27.5 points if beat one above or one man same class or above that earned 25 competition points = 20 if not

1 car women lowest group

After bumping to higher group, best points of either position in bumped class or 27.5 points if beat one man same class or above that earned 25 competition points.

Exhibition Class = If there are 2 or more cars in class, 1<sup>st</sup> place receives 25 pts, the remainder of cars receive 20 pts.

3. Rallies:

Classes bump up to increasingly more challenging classes until a minimum 3 car class is reached. All higher incomplete classes must beat all below:

Position	Two Car Class	One Car Class
1	35* or 25	35* or 25** or 20
2	30* or 20	

\*Beat all below

\*\*beat all except one car below

4. Drags:

- a). For a two Car Class, first place is awarded 35 points if he ties or has a better time than all lower class winners, 25 points if he does not. Second place receives 20 points.
- b). For a one Car Class: 35 points are awarded if he ties or has a better ET during eliminations than all lower classes of the same gender while running wheel to wheel with a car of another class that has a bye-run and must beat that car if it is a lower class. 20 points are awarded if he does not meet all of the above possible requirements.
- c). One or Two Car Classes having to beat all cars below will receive an equal number of runs to the car with the fastest time. Cars that break before eliminations will show on results for the purpose of receiving entry points only, but will not count for points purposes as being part of any class.

5. CCM Concours d'Elegance:

- a). CCM sponsored Concours points are awarded based on the chart shown below. There will be no more than two entrants per car. Entrants must be a family member of master member owner. 20 points are awarded in the closed hood class.

Points	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0
% of Possible	99.0	98.0	97.0	96.0	95.0	94.0	93.0	92.0	91.0
Points	26.0	25.0	24.0	23.0	22.0	21.0	20.0	20.0	
% of Possible	90.0	89.0	88.0	87.0	86.0	85.0	84.0	below 84	

6. Concours (non CCM sponsored):

- a). Two Car Class: First place is awarded 35 points and second place is awarded 25 points.
- b). One Car Class: 30 points.
- c). People's Choice Car Show: 20 points.

7. Matching Times and Bracket Drags: All Matching Times classes will be bumped up or/and down to have a minimum of three cars in all classes with priority to bump up.

D. Ties

In the event of ties, all receive points equal to the position they have tied for. Ties for last place all receive 20 points.

E. Worker Ineligible to Compete:

1. Rallye Chairperson & Co-chairperson shall receive 35 competition points.
  - a. To be eligible for competition chairperson points, the member must sign up as a rallye chairperson before running any CCM rallyes in that year.
  - b. Rallye chairperson competition points are available to any individual only once per competition year.
  - c. If chairperson does not abide by (a) above, he will be considered rallye worker (Below).
2. Rallye Worker: Rallye Workers that are ineligible to enter the event shall receive 25 competition points.
  - a. Ineligible worker competition points are available to any individual only once per competition year.
3. To be eligible for rallye chairperson or ineligible worker competition points, the individual must either
  - a. Compete in at least one CCM Rallye for each CCM Rallye that is worked, or
  - b. Work all remaining rallyes scheduled in that season.
  - c. For case (a) above, at least one CCM Rallye must be run in a Corvette. Exceptions to the ability to run in a Corvette can be made by the Competition or Points Director for unusual circumstances.
4. Ineligible worker or rallye chairperson competition points will not be sacrificed in the event of cancellation of a scheduled event, due to lack of a chairperson.
5. In the event of severe inclement weather, as determined by the Competition Committee, such as, but not limited to, ice, blinding snow storm, tornado warning, and hail storm, a rallye will be postponed and run at a later date. In the event the rallye cannot be rescheduled during that competition year, worker points shall be awarded. Under no circumstances will competition points be awarded if the rallye is not run.

F. Submission of Results

1. It is the responsibility of the competitor to verify that outside event results and/or corrections are received by the Points Director.
2. Outside event results should be submitted to the Points Director within 60 days following the event and no later than the November Board of Directors meeting.
3. Event results corrections must be submitted in writing and signed by the event chairperson or the club President within 30 days of initial result publication. After 30 days, results become final. Exceptions to these must be taken to the Points Director.
4. To count for CCM competition points, outside event results must be the official results from the event. At a minimum these results must show the following: the name of the event, the date of the event, the name of the sponsoring club or organization, the number of cars in the competitors' class and the competitors' position within the class. An exception to this is that for outside Concours that do not publish official results or for any competition event which occurs too late in the year for official event results to be sent out, a signed note from the event Chairperson or Club President listing all of the above information along with a confirmation phone number will be accepted.

**III. OVERALL COMPETITION AWARD**

- A. Up to top 10 men & up to top 5 ladies. Points will be awarded for up to two less than the total number of eligible CCM inside competition events. Eligible CCM events are autocrosses, matching times, rallies, drags, and concours.
- B. Outside event points will not be counted for this award (only).
- C. In order to receive a year-end Overall Competition Award, you must earn points in a minimum of four (4) less than the scheduled CCM competition events.

**IV. AUTOCROSS CLASS CHAMPION AWARD**

- A. Yearly awards, one for each man's and lady's class, will be presented to the member that accumulates the most competition points in each class. If bumped to a higher class, points will be applied to the class entered for the purpose of the Autocross Class Champion Award. There will be no Class Champion Award given for Exhibition Class.
- B. Points from one less than the number of scheduled CCM autocrosses will count for this award. A minimum of three less than the scheduled and completed CCM autocrosses must be entered in the same class to be eligible for class awards. Points may not be transferred from one class to another. Members earning an overall competition award who also earn an Autocross Class Champion award will have "— CLASS CHAMPION" added to their overall competition award.

**V. ROOKIE OF THE YEAR AWARD**

- A. Yearly awards (1 man and 1 lady) will be presented to the "Rookies" who accumulate the most competition points. Their best 4 CCM autocrosses, excluding Waterford, will be counted. In case of a tie, their best 5 CCM autocrosses will be counted. If there is still a tie, their best 6 CCM autocrosses will be counted. If, after this is done, a tie still exists, it shall remain a tie. One must run a minimum of 3 CCM autocrosses to be eligible for the Rookie Award.
- B. A rookie is defined as: A member who has run a maximum of 10 autocrosses, driver's schools, or matching time events or won a maximum of 2 autocross trophies prior to the current year. Driver's schools & matching time events run prior to 1/1/2000 do not count. Concurrently run events shall count as one. Once a member has received this award, that member is no longer eligible to receive it again.
- C. Rookie drivers will run in their normal class for trophy purposes, but be broken out into one men's & one ladies class for rookie points only. Points awarded will be: 1<sup>st</sup>=6, 2<sup>nd</sup>=4, 3<sup>rd</sup>=3, 4<sup>th</sup>=2, 5<sup>th</sup> and lower = 1.

**VI. AUTOCROSS AWARD**

- A. Yearly awards, 1 man and 1 lady, will be presented to the male and female members who accumulate the most autocross points. Up to 1 less than the total number of CCM autocrosses scheduled will be counted. In case of a tie, the dropped CCM event will be counted. If, after this is done, a tie still exists, it shall remain a tie. Matching times and drags are not to be included.

**VII. FTD AWARD**

- A. Yearly awards will be presented to one male and to one female member who accumulate the most points at inside autocrosses only. Points will be awarded to the fastest 15 male drivers, 1<sup>st</sup>=16, 2<sup>nd</sup>=14, 3<sup>rd</sup>=13 and so on down to 1 for the 15<sup>th</sup> fastest. Points will be awarded to the fastest five female drivers, 1<sup>st</sup>=6, 2<sup>nd</sup>=4, 3<sup>rd</sup>=3, 4<sup>th</sup>=2, 5<sup>th</sup>=1.
- B. Members earning an overall competition award who also earn the FTD award will have "FASTEST DRIVER OF THE YEAR" added to their overall competition award.

**VIII. CONCOURS AWARD**

- A. A yearly award will be presented to the member who accumulates the most concours points during the competition season.
- B. The maximum number of concours counted will be the CCM concours plus three outside concours.

- C. A minimum of two events will be counted for this Award. If there is a tie, the entrant with the highest percentage shown on the original CCM results shall be the winner.

**IX. RALLYE AWARD**

- A. A yearly award will be presented to the member who accumulated the most rallye points during the competition season.
- B. To qualify for this award, you must have completed one less than the number of CCM rallyes scheduled and completed. The maximum number of rallyes counted will be the total number of CCM rallyes plus four outside club rallyes.

**X. CARS AWARD**

To encourage club member participation in each of the club's competition events.

- A. A yearly award (preferable a trophy) will be presented to each member who competed in one of each of the following competition events.
  - a. Concourse
  - b. Autocross
  - c. Rallye
  - d. dragS
- B. In the unlikely situation that the competition year does not have one of each of the events, the competition committee may choose to drop that event as the requirement for that competition year
- C. Exclusions:
  - a. Top 10 men and top 5 ladies would be excluded from receiving this award.

**XI. COMPETITION PASS**

- A. A yearly Competition Pass given out at the Awards Banquet to one individual as a door prize will exempt the individual from all CCM competition fees for the following year (including Waterford Hills and drag events) with the following exceptions:
  - 1. Gate fees.
  - 2. The balance of the entry fees to enter all events at CCM NCCC autocrosses if the participant chooses to enter all of the events that day. In this case the Competition Pass is worth \$16 toward the event entry fees.
- B. The Competition Pass is NON-TRANSFERABLE and NON-SALEABLE. The Competition Pass will be signed by both the recipient and the Competition Director, and be turned in to the Registration Chief at the first competition event of the year. The intent of this award is to encourage the winner to participate in CCM competition events.

**XII. WORKER POINTS**

A. Worker points will be awarded to CCM members on the following basis:

1. Organizers or chairpersons of a competition or social event;
  - 1 chairperson 8
  - for multiple chairpersons 16 divided equally
2. Chairpersons of Waterford event, chairpersons of 2 or more events held on the same day, or chairperson of CCM picnic;
  - 1 chairperson 12
  - for multiple chairpersons 24 divided equally
3. Overall coordinator of a 3 or more event weekend 30
4. Banquet chairperson 30
5. Organizer of un-calendared event 5
6. Working on a CCM competition event. 2 /hr
7. CCM members who work at another automotive club competition event, but are not an entrant in that event, shall be awarded 4 worker points. Proof of such work shall be a signed note from the event chairperson. 4
8. Use of vehicle for timing at event 2
9. Participating in event results session 2
10. Hauling trailer to and from an event, each way. \$50 + 2
11. Storing Club trailer, timer or rallye equipment 1 /month  
or handling P. A. system or specified assigned responsibility.
12. Working on a CCM non-competition event 1 /hr /event
13. Participating in a parade. 3
14. Club officers receive the following points for carrying out their general duties, but a member may receive points for one office only:
  - a. Competition Director 5 /mo
  - b. **Social Media Director** 3 /mo
  - c. President, Membership Director, Social Director, Points Director, NCCC Governor. 3 /mo
  - d. Recording Secretary, Treasurer, Public Relations, Program Director, DCSCC Representative, Corresponding Secretary, Club Accessories, NCM Ambassador 2 /mo
  - e. Vice President, Michigan Region Rep. 1 /moBoard Representative, Past President 1 /board meeting attended
15. CCM Members participating in standing committee such as competition, social, or major event organizing committees 1 /committee mtg attended

- |   |                                |
|---|--------------------------------|
| 16. Member performing general tasks for Club (such as picking up donuts for membership meeting, performing maintenance on club equipment, etc.) | 2/task                         |
| 17. For each month after April that new member joins. (12 max.)   | 3                              |
| 18. Auditor of Points Books. (8 max.)   | 1 /hr                          |
| 19. Chief timer or person in charge of timing software.   |                                |
| Working on database before and after autocross events.  | Pre-work 6 pts Post-work 3 pts |
| 20. <b>Social Media Director</b>  | 3 /month                       |
| 21. Rallye chair fuel reimbursement   | <b>\$100</b>                   |
| 22. Attending a General Membership Meeting (must sign in)   | 2/mtg                          |
- B. Awarded points will be rounded to the nearest integer at the end of the year.
- C. Chairpersons will submit their worker points to the Points Director within 30 days of said event or forfeit their own worker points.
- D. Year-end awards will be presented for reaching the following point levels:
- 25 Points - Special Award, New member only or associate member under age 18.
  - 50 Points - High Achievement Award.
  - 75 Points - Outstanding Achievement Award.

## 2022 CCM ENTRY FEES

### PRE-REGISTERED

	CCM/NCCC	DCSCC	OUTSIDE
Autocross---DCSCC or non-NCCC	\$25	\$35	\$45
Autocross---NCCC Sanctioned	TBD	TBD	TBD
Rallye (per car)	\$8	\$10	\$12
Concours (per car)	\$12	\$20	\$25

Note: (Autocross/M.T. only) \$1 goes to the club Charity Fund.

Online pre-registration is available at [myautoevents.com](http://myautoevents.com)

**Pre-registration closes at midnight on the Thursday before event date. For events where pre-registration is available, all day-of-event registration fees will be + \$5.**

Khana passes carry the maximum value of \$16 toward the entry fee to a CCM Competition Event (entrant must pay applicable DCSCC fee at Champ Series autocrosses). Khana passes are valid at any CCM event except where the Club must rent the track (e.g., Waterford Hills Time Trials and drags). Only one khana pass may be used per entrant per day.

## 2022 CCM OFFICERS

Elected Officers	Name
President	Mary Wentzel
Vice President	Brett Watson
Treasurer	Susan Schmidt *
Recording Secretary	<a href="#">Cathy King-Opolsky</a> *
Corresponding Secretary	Dyan Brotz

Representatives	Name
1st Year Board Representative	Cedric Butler *
1st Year Board Representative	Lisa Brown *
2nd Year Board Representative	Dave Krom *
2nd Year Board Representative	Diane Watson *

Appointed Officers	Name
Public Relations Director	<a href="#">Fred King</a>
Competition Director	Chris Scafero
Program Director	<a href="#">Bruce Wentzel</a>
Membership Director	<a href="#">Cathy King-Opolsky</a>
Points Director	Dave Schmidt
<i>Social Media Director</i>	<i>Ted Hou (Interim)</i>
Social Director	Connie Esposito *
National Council of Corvette Clubs Governor	Joe Scafero
Detroit Council of Sports Car Clubs Representative	<a href="#">Fred King</a>
<i>National Corvette Museum Ambassador</i>	<i>Chuck Fast</i>
Michigan Region Competition Representative	<a href="#">Bruce Wentzel</a>

Quorum: 15 x ⅔ = 10

*Non-Voting Board Member*

\* New to the Position for 2022

[Dual Board Positions – Only 1 Vote](#)

## TENTATIVE 2022 CCM CALENDAR

<u>Date</u>	<u>Event</u>	<u>Location</u>
7-May	“Champ” Autocross	Schoolcraft PSTC
22-May	NCCC Rallye	Novi
19-June	“Champ” Autocross	Schoolcraft PSTC
31-July	NCCC Autocross	Schoolcraft PSTC
14-August	CCM Concourse & Picnic	Lake Pointe Park
21-August	NCCC Autocross	Schoolcraft PSTC
18-September	NCCC Autocross	Schoolcraft PSTC
2-October	NCCC Rallye	TBD
9-October	NCCC Autocross	Schoolcraft PSTC

Autocross Schedule is published in the FB group [“Corvette Club of Michigan-Events”](#)

## POINTS TABLE

#OF CARS	FINISH POSITION									
	1	2	3	4	5	6	7	8	9	10
3	35.00	27.50	20.00							
4	35.00	30.00	25.00	20.00						
5	35.00	31.25	27.50	23.75	20.00					
6	35.00	32.00	29.00	26.00	23.00	20.00				
7	35.00	32.50	30.00	27.50	25.00	22.50	20.00			

