

# COLORADO HILL CLIMB ASSOCIATION



## 2012 Rules and Regulations

# CONSTRUCTION SPECIFICATIONS BY-LAWS

## ***FORWARD***

This booklet contains the Colorado Hill Climb Associations, Inc. (CHCA) Official Competition Rules, including Car/Truck/Quad Construction Rules and Divisional Specifications, as well as the CHCA By-laws for the year noted above. The General Rules of the Colorado Hill Climb Association overrule all class rules in the event of a Rules Conflict. For the purposes of the Colorado Hill Climb Association, Inc., the following distinctions are stated:

**By-laws** are the formal corporate enactment governing the structure and general functioning CHCA, the Corporation.

**General Rules** are the enactments of the membership regulating the overall operation of the Corporation's sanctioned events and functions.

**Car/Truck/Quad Construction Rules and Divisional Specifications** are the enactments of the Corporation and vehicle owners regulating safety criteria, mandatory safety equipment, and performance standards of competition vehicle construction. The Car/Truck/Quad Construction Rules and Divisional Specification are written by the vehicle owners each year. The rules concerning Vehicle Construction and Performance Standards shall not be amended, added to, or deleted for the 2010 Calendar year.

**Policies** are the specific procedures established by the Board of Directors to be utilized in efficiently and safely presenting the Corporation's sanctioned racing events. An example of "Policies" is the CHCA Safety Operations Manual, published separately.

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## **COLORADO HILL CLIMB ASSOCIATION, INC.**

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***FOR A COMPLETE AND UP TO DATE LISTING OF ALL BOARD MEMBERS,  
OFFICIALS, CLASS REPRESENTATIVES, RACE SCHEDULE AND MEETING  
SCHEDULE PLEASE VISIT THE CLUB WEB SITE ABOVE.***

UPDATES TO THIS EDITION ARE NOTED IN **RED** PRINT

# GENERAL RULES

Members shall be responsible for knowing, understanding and adhering to these rules.

## **1 SECTION 1 – RACE OFFICIALS**

**1.1 General.** At every race event sanctioned by the Colorado Hill Climb Association, there shall be a staff of officials with specific duties to operate the event. The following officials and their assistants will attend:

- Chief Steward \*
- Race Director \*
- Safety Director \*
- Timing Director \*
- Technical Director \*
- Pit Steward
- Scales Director
- Radar Director
- Start line Official

\* Voting privileges at the Board Meetings.

**1.2 Appointment of Officials.** The CHCA Board of Directors appoints all qualified personnel to officiate CHCA events. Qualified personnel must be General Members in good standing of the CHCA.

**1.3 Chief Steward:** The Chief Steward will be the Chief Representative at all sanctioned race events. The Chief Steward shall have voting privileges at all Board of Directors meetings. The Chief Steward will have the final authority and say on rules at all CHCA sanctioned events. All race officials report to the chief steward. **The Chief Steward may, in his/her absence, appoint an alternate official and all responsibilities and authority will follow that appointment.**

**1.4 Race Director:** The Race Director is responsible for coordination of all necessary vendors and permits for his/her race. The Race Director shall have voting privileges at all Board of Director Meetings. Out of pocket expenses will be reimbursed by the CHCA, provided the Race Director submits an itemized list of expenses and receipts. The Safety Director will coordinate with the Race Director on required safety vendors, such as ambulance and fire. The Race Director reports to the Board of Directors on the progress of his/her race.

**1.5 Safety Director:** The Safety Director is responsible for assembling a safety network for each race event for the purpose of providing a safe course at each event. The Safety Director(s) will have voting privileges at all Board of Directors Meetings. The Safety Director will assemble a safety network to work all flag stations and finish line where another official is not designated. The Safety Director will coordinate with each Race Director to insure proper coverage at each event for Fire and Ambulance crews. The Safety Director is responsible for all incident reports for each event, and will turn such reports into the Executive Secretary immediately following each event.

- 1.6 Timing Director:** The Timing Director(s) will be responsible for assembling a timing crew for each race event for the purpose of timing the race event. The Timing Director(s) shall have voting privileges at all Board of Directors Meetings. The Timing Director(s) will time each vehicle and record all times for the events. Timing Director(s) are responsible for maintaining records for each event of all timed runs, and will maintain a record book of all record times for each event. The responsibility of all equipment is that of the Timing Director(s).
- 1.7 Technical Director:** The Technical Director is responsible for the inspection of all race vehicles and the enforcement of the rules regarding these vehicles. The Technical Director will have voting privileges at all Board of Directors Meetings. He/she will be in charge of a technical committee comprised of the Class Representatives for each class. The technical committee will be required to assist the Technical Director in the inspection of all race vehicles. The Technical Director will notify the Chief Steward of any vehicle not passing tech at any time. The Technical Director will report to the Chief Steward and the Board of Directors as necessary.
- 1.8 Pit Steward:** The Pit Steward will be responsible for all activities in the pit area of each CHCA sanctioned race event. The Pit Steward will have the authority to impose fines concerning pit activities.
- 1.9 Scales Director:** The Scales Director will notify the Chief Steward of any vehicles not weighing in or any that are underweight. Any race vehicle required to weigh in that does not or is underweight will be disqualified for that run. If a race vehicle is disqualified the Timing Director is to be notified at once. Scales Director will advise the Timing Director of any volunteer not presented at scales in a timely manner.
- 1.10 Radar Director:** The Radar Director is responsible for maintaining and the transportation of the radar equipment to and from all of the sanctioned race events. The Radar Director is responsible for assembling a radar crew of qualified radar operators for each race. The Radar Director will coordinate with the Safety Director as needed for communications and race safety issues and with the Timing Director for posting of Radar speeds.
- 1.11 Start line Official:** The Start line Official is responsible for all the start line activities at each event. The Start line Official will assemble a crew to provide coverage for staging, and all start line activities, to include coverage if starter is called to an incident on the course.
- 1.12 Officials:** All Stewards and Officials must be at least eighteen (18) years of age. All Officials will be appointed by the Board of Directors and General Members in good standing of the CHCA.
- 1.13 Safety Worker:** A safety worker is a person on the safety network directly reporting to the Safety Director and must be at least eighteen (18) years of age.

## **2** **SECTION 2 – DEFINITIONS**

### **2.1** **Definitions:**

- a. A **Class** is as a group of vehicles falling into the same category without regard to wheelbase, horsepower, cubic inches, model, or manufacturer (e.g., Stock Cars, Trucks, etc.)
- b. An entry is a combination of Driver/Co-Driver/Vehicle and must be a member in good standing who submits all required forms and payment (entry form, medical, waiver, W-9, owners' information and any other required forms) and passes technical inspections.
- c. A qualified driver is a member in good standing, which submits all required forms and passes all technical inspections.
- d. A Life Time Member is exempt from annual membership fees.
- e. For the purpose of clarification, a driver and co-driver are interchangeable within this rulebook.
- f. A Rookie is an entrant who has not taken a green flag at a CHCA point's race in any previous year.

### **2.2** **Classes:** Stock Car, Sportsman, Open Competition, Super Sprint, Competition Truck, Super Stock Truck, Championship, Quad (ATV), Rally, Junior, Ultra 4.

- b. To establish a permanent class for spectator payoff, petition the CHCA Board of Directors at least 90 days prior to sanctioned event.
- c. Petition must include class rules to be reviewed and ratified by the Board of Directors and a Class representative.
- d. Any new class **must have 3 entries** per event for the first year of participation.
- e. Any new class is subject to same rules and requirements as established classes.

## **3** **SECTION 3 – ENTRY**

### **3.1** **Driver/Owner Requirements:** All Drivers and Owners must be a current member of the CHCA. Drivers must have a current CHCA driver's license. The CHCA membership fee is \$40.00 per year and the CHCA driver's license fee is \$10.00 per year. Membership is

pending until approved by the Board of Directors according to the CHCA By-Laws.

**Requests for membership shall only be open through the final race weekend.**

- a. No drivers under the age of sixteen (16), or co-driver's under the age of fourteen (14) years old are allowed in any class and must show proof of age. Exception to this rule is the Junior Class, which is for ages fourteen to seventeen (14-17). Drivers that are fourteen (14) will be limited to the Junior Class only. If at the age of sixteen (16) a driver wants to move out of the Junior Class, with parental consent, the driver can move. If driver is found to not be ready for the other class (either by parents or Board of Directors), the driver will be moved back into the Junior Class.

**3.2 Entries:** Entries are open to all qualified drivers and must be received by the CHCA by the entry deadline and accompanied by a check, cash, or money order, made payable to the Colorado Hill Climb Association.

- a. All accepted entries will have information confirmed, and owners/drivers will verify that the information on the entry form is correct. It is the owners and drivers responsibility to read, understand, adhere to the CHCA current year rulebook, and by signing the entry form acknowledge the same.
- b. Entries submitted for a CHCA sanctioned event, which does not qualify for a specific class, but have raced under another organization's sanctioned event, may be entered under "Exhibition" at the discretion of the Chief Steward.
- c. The driver listed on the official entry form for the event will not be required to pay for a ticket to the event for which he/she is entered. The drivers' ticket will be part of their entry fee.
- d. If a competitor wishes to use a backup vehicle in the same class, they must enter the new vehicle with all required paperwork .Backup entries will not be added to the total number of entries as an additional entry for gate percentage division.
- e. If a vehicle owner wishes to change the driver, they must notify CHCA and change the entry form. New driver must fill out entry form, sign waiver, and pass technical inspection (both vehicle and equipment). The driver being replaced during an event relinquishes all points and awards earned at that event. **Any driver or co-driver change will be assessed a \$25 fee due at the time of change.**
- f. Co-Drivers are allowed in vehicles that are equipped for a second person. The co-driver must be pass technical inspection for safety before they will be allowed in the vehicle. This will be a complete safety tech for co-drivers. Co-Drivers must pass equipment technical inspection at each event. Co-Drivers must be members of the CHCA.

**3.3 Method of Entry:** All entries must be in writing, as no telephone entries will be accepted. Owner/driver or his authorized representative must sign all entries. Check must be dated and cashable to the date of the event. Entry fees are as follows:

\$175.00 if paid no later than seven (7) days prior to race

\$200.00 if paid by the end of registration by Friday before the race,

\$25.00 will go to CHCA operating capitol

\$250.00 if paid Saturday prior to first run, and miss first run.

\$75.00 will go to CHCA operating capitol

Notes:

surcharge may be added at the discretion of the board of directors to cover additional expenses.

complete entry consists of the entry forms and method of payment.

Checks may be postdated to the date of the event.

- 3.4 Entry Forms:** Entry forms are available from the Colorado Hill Climb Association website at [www.chcaracing.com](http://www.chcaracing.com).
- 3.5 Refunds:** No entry will be refunded after the entry fee has been paid, unless that entry does not take a green flag at all during the event weekend. Any excess funds from surcharges will be refunded among entries of a particular event evenly. The Treasurer will be allowed thirty (30) days following the event to process refunds.
- 3.6 Number of Entries:** Chief Steward and or board of directors reserve the right to limit the number of entries per event.

## **4 SECTION 4 – PENALTIES**

- 4.1 General** - Any person or organization violating rules may be penalized. Penalties will be assessed at the discretion of the Chief Steward and/or Board of Directors.
- 4.2 Scale Of Penalties:** Penalties may be:
- Fines
  - Loss of Time
  - Loss of Awards
  - Loss of Points
  - Disqualification
  - Probation
    - Suspension
  - Expulsion (to conform with Article XVIII)
- 4.3 Fines:** All fines collected shall belong to the CHCA. No fine assessed shall be removed or modified except by order of the Board of Directors. Fines must be paid before further competition in a CHCA sanctioned event.

- a. Red Flag - means stop and wait for an official. Violation could result in a \$250.00 fine.
- b. Downhill Vehicle Operation – two-way traffic conditions. Violation could result in a \$150.00 fine.
- c. Alcohol in the Pits - allowed after the last competition vehicle crosses the finish line. Violation could result in a \$100.00 fine.
- d. No Pit Fire Extinguisher - Fine is \$10.00 per day, refer to *General Car/Truck Construction* rules.
- e. Animals and/or children associated with an identifiable driver or owner of CHCA, acting in an unsafe manner can be assessed a penalty in the form of a fine and/or loss of a run. Said penalty shall be administered by any member of the Safety Division reporting to the Chief Steward.
- f. No driving race vehicle on any road other than the race road. Violation will result in a disqualification.
- g. Gloves, helmet, and safety harness (belts) must be worn at all times while the race vehicle is on race course. Violation could result in a \$10.00 fine per item.
- h. Conduct Detrimental To Racing: Any member, who, in the opinion of the officials or the Board of Directors, is guilty of conduct detrimental to racing, and/or CHCA, on or off its race course, may be penalized in accordance with *Scale of Penalties*, by the Chief Steward and/or the Board of Directors.

**4.4 Ineligible Participants:** The CHCA Secretary shall maintain a list of ineligible participants and reasons for ineligibility.

**4.5 Bad Checks:** There will be a \$50.00 fee, plus bank charges, assessed for any person who writes a bad check. Any further monies must be received in cash, money order, or certified check for the period of one year.

## **5 SECTION 5 – PROTEST**

**5.1 General Rules Protest:** General Rules violation complaints must be in writing, no money involved, to the Board of Directors or Chief Steward within seven (7) days from the date of incident, by a member in good standing.

## **6 SECTION 6 – CONDUCT**

**6.1 Owner Responsibility:** The vehicle owner or authorized agent can be held responsible for the behavior of all members of his/her crew during any CHCA sanctioned event, both on and off the race course, for the duration of the CHCA's permit(s) for each event. Owners will be responsible to have read, understand, and adhere to the CHCA's current year rulebook.

- 6.2 Competency of Drivers and Crews:** Any driver who, in the opinion of the Officials, does not show sufficient skill and judgment in the safe operation of his/her race vehicle shall be declared ineligible to compete in the event or the practice sessions.
- 6.3 Mandatory Meetings:** Each driver entered in an event shall be required to attend technical inspection, drivers meetings on Qualifying and Race days, and other meetings as determined by the Chief Steward and/or the Board of Directors. Failure to attend or arrive at scheduled time will result in fines, loss of practice time, or exclusion from the event, at the discretion of the Chief Steward.
- 6.4 Technical Inspection:** Each vehicle entered into a CHCA event will be required to pass a technical inspection. **Inspections are held as scheduled or by appointment with the Technical Director.** The Technical Director and the Technical Committee is not required to tech any vehicle arriving on the day of qualifying. All vehicles and drivers not attending the pre-designated technical inspections will be required to arrange for technical inspection at the event first entered.
- 6.5 Registration/Check In:** Driver registration and check in must be completed before the Drivers Meeting on Saturday. If the competitor is not registered prior to the drivers meeting, that competitor will miss the first run of practice on Saturday.
- 6.6 Specific Rules/Pre-Running:** Specific safety rules for all divisions are included within class specifications. However, all divisions will adhere to these listed general safety rules.
- 6.7 Volunteers:** Each driver entered in a CHCA event will be required to supply an able bodied volunteer for an entire run every race weekend or pay **\$25.00** to hire a volunteer. The volunteer list will be prepared by the Secretary. Any driver not supplying the promised volunteer when scheduled will be fined \$100.00, payable before the next run.
- 6.8 Authorized Vehicles:** Only authorized motor vehicles can run in the pit area, unless otherwise approved by the Chief Steward and Pit Steward. (No motorcycles or ATV'S).
- 6.9 Safety:** The cardinal safety rule in any CHCA sanctioned event shall be that all traffic moves uphill only when on the racecourse. The only time traffic may move downhill is when a radio-controlled vehicle accompanies it or when told to do so by the Safety Director. Under no circumstances will any traffic move downhill on the race course during the race meet unless prior arrangements have been made with the Chief Steward, the Safety Director, and the Start line Official, and all safety personnel connected with the event. No race vehicle will move uphill on the racecourse unless in competition.
- a. No driver in a race vehicle will be on a CHCA racecourse before any event, other than another sanctioned event. Penalty will be disqualification from the event. **An exception can be made at any privately owned race course at the discretion of the board of directors.**
  - b. Testing of race vehicles on racecourse or borders of racecourse is subject to approval by Chief Steward or his representative only.

**6.10 Vision:** Any driver, who during the course of racing competitively on a CHCA course, has had more than 50% of his/her vision obstructed (i.e. oil on windshield, shattered windshield), as compared to the start of the run, will immediately cease racing on the course and pull over to the side of the track, no later than the next Safety station and forfeit the run. Failure to adhere to this rule will result in a fine as determined by the Chief Steward.

## **7 SECTION 7 – NUMBERS**

**7.1 Display of Vehicle Numbers:** Numerals shall be displayed on the race vehicle in accordance with the specific divisional rules, but in all cases shall be on contrasting color with respect to the vehicle's body color. Vehicles shall correctly display numerals when it is presented for technical inspection.

## **8 SECTION 8 - IMPOUND**

**8.1 Race Vehicle Inspection:** CHCA officials may inspect race vehicles before, during, or after a race, or all three. Only crewmembers of the vehicle will be allowed in the immediate area of the inspection.

**8.2 Impoundment:** A vehicle selected for inspection will be ordered to an impoundment area to which the entrant, who shall also provide necessary manpower and tools for a tear down, if necessary, will deliver the vehicle.

**8.3 Crew Member:** A maximum of two crewmembers shall remain with the vehicle while in the immediate area of inspection.

**8.4 Storage:** Any impounded vehicle will be stored, if necessary, at the vehicle owner's expense and risk, although every reasonable precaution will be taken to make sure of the vehicle's safekeeping. The CHCA will assume no responsibility for fire, theft, or damage to any racing vehicle at any time.

**8.5 Disqualification:** A discovered violation of specification following qualification or the race itself will result in disqualification of the vehicle or vehicles in question. If one or more vehicles are disqualified, the remaining vehicles will be advanced in the order of their finish and will receive the appropriate awards for the position to which they have advanced. Disqualified vehicles will not be eligible for any CHCA awards.

- a. Any vehicle disqualified following its qualifying run, may however, participate in the final competition on race day and be eligible for all earned awards providing the vehicles is then legal.

However, if qualifying runs are used to determine the starting field, which will participate in a class on race day, then these disqualified vehicles may not be allowed to further compete.

## **9**    **SECTION 9 – ROOKIE**

- 9.1 Rookie of the Year:** The Board of Directors shall select a “Rookie of the Year” in each class at the end of the racing season, based upon his/her participation at CHCA events.
- 9.2 Rookie Orientation:** All first year drivers will be required to attend a “Rookie Orientation”; to be conducted by the Chief Steward, Safety Director, Pit Steward, and other interested parties of the CHCA.
- 9.3 Probationary Period:** First time competitors with CHCA will be on a probationary period based on their experience and proven skills. The Chief Steward may place restriction on a Rookie until deemed competent to race competitively.
- 9.4 Junior Class:** In the Junior Class there will be no “Rookie of the Year”. All Junior Class competitors will be eligible for “Rookie of the Year” when he/she moves to the upper classes, per the Junior Class Rules.
- a. In the event of a tie with times for a given run that determines order of finish, same place points will be awarded to all that tied. (I.e. tie for 3rd place, 3rd place points will be awarded to both, and the next place for points will be 5th.)
  - b. On Race Day, no race vehicle will run out of class or out of order without the approval of the Chief Steward.
  - c. All classes will run slowest to fastest according to qualifying order. Fast Qualifier has choice of running 1<sup>st</sup> or last. Same position both runs.
  - d. Splits will be used at all CHCA races, unless course is continuous.

## **10**    **SECTION 10 – ENACTING RULES**

- 10.1 Enacting General Rules:** The previous year’s members from the previous season will vote upon all General Rules for the new racing session. General rules will be proposed and voted on at a special meeting called for that purpose. One proxy vote allowed per member.
- 10.2 Enacting Vehicle Construction Rules:** Vehicle Construction Rules will be voted upon by the previous year’s participating owner’s whether in person or by proxy. One vote per vehicle. (See Article XIII)

## **11**      **SECTION 11 – MECHANICS RACE**

**11.1 General:** No vehicle is allowed to enter the Mechanics Race unless the vehicle is entered in the main event.

- a. Each vehicle entered in the Mechanics Race is allowed one timed run per driver.
- b. Any driver who drove in competition that day is not allowed to drive that same vehicle in the Mechanics Race.
- c. Any competitor in the Mechanics Race who has raced any class of CHCA within the previous five (5) years is ineligible for Mechanic Race awards.
- d. No driver entered in the Mechanics Race is allowed to drive a vehicle for the purpose of practice during the regular Practice/Qualifying runs. If Mechanic Race entry drivers do a change of drivers with CHCA and make a practice run, this will disqualify this driver from competing for trophies in the Mechanic Race.

## **12**      **SECTION 12 – RACE OPERATION**

**12.1 Qualifying:** Qualifying time will be the fastest time earned in designated practice sessions.

- a. A driver may take only one (1) green flag per run on practice day. At the discretion of the Chief Steward (Red Flag Runs) a driver is allowed a clear run. Example: Final run of the day, driver would be given a clear track, run first (for single class entry).
- b. In the event of a tie with times for a given run that sets qualifying order, same place points will be awarded to all that tied. (I.e. tie for 3rd place, 3rd place points will be awarded to both, and the next place points will be 5th). Starting order for Race Day will be decided by the next fastest run time.
- c. In the event of a red flag, driver will be restarted from where they were stopped.
- d. Running order may be determined within class by class rep and chief steward.

**12.2 Runs:** On race day, a driver is allowed only two (2) timed runs. The only exception would be a restart because of a red flag.

- a. Each driver will take one (1) green flag per run and a maximum of two (2) runs on race day. Once the vehicle crosses the timing light at the start line, it is considered to be a start of a run.
- b. At the discretion of the Board of Directors, for spectator interest, additional runs may be added or deleted. Decision must be made before the first run on race day.

- c. In case of a Red Flag, driver has the option to restart immediately upon returning to the start line or when he/she is ready at any time during that same run. The Chief Steward may impose a time limit.
- d. In the event of a tie with times for a given run that determines order of finish, same place points will be awarded to all that tied. (I.e. tie for 3rd place, 3rd place points will be awarded to both, and the next place for points will be 5th.)
- e. On Race Day, no race vehicle will run out of class or out of order without the approval of the Chief Steward.
- f. All classes will run slowest to fastest according to qualifying order. Fast Qualifier has choice of running 1<sup>st</sup> or last. Same position both runs.
- g. Splits will be used at all CHCA races, unless course is continuous.

### **12.3 Flags:**

- a. Red Flag - Stop immediately; do not proceed uphill or downhill unless instructed by a race official.
- b. Green Flag - Begin run, course is clear.
- c. Yellow Flag - Use caution, road is open, proceed with caution past incident then resume racing, may also be a road hazard, weather, etc.
- d. Checkered Flag - Run is complete, shutdown as soon as possible.

### **12.4 Rolling Starts:**

- a. A rolling start will be used for all Classes.
- b. The driver cannot get on the throttle until the official starter drops the green flag.
- c. The Start line Official will impose any time penalty or disqualification after they have contacted the Chief Steward of the infraction.

## **SECTION 13 - GENERAL CAR/TRUCK CONSTRUCTION RULES**

- 13.1 Steering Wheel Padding:** Steering wheel hubs in all race vehicles must be padded with a resilient material. All steering wheels must be quick release and subject to approval of the Technical Committee.
- 13.2 Fire Extinguishers:** Every entrant must have in his/her possession in the pit area a fully charged fire extinguisher of **ten (10lb)** pound minimum capacity.
- 13.3 Safety Belts and Shoulder Harnesses:** All vehicles (except Quads) shall be fit with a minimum five point safety harness meeting SFI 16.1, SFI 16.5 or FIA 8853/98 certification. The belt set must clearly display, on at least one belt, this certification including date of manufacture or date of expiration given by the manufacturer. Expiration of SFI belts is 24 months from the month and year of manufacture. FIA belts expire Dec. 31<sup>st</sup> of the expiration year given by the manufacture. The tech inspector may deny the use of belts not in compliance or deemed unacceptable condition.
- 13.4 Ignition:** All racing vehicles must be equipped with an ignition switch or emergency cut off that is located within easy reach of the driver while he/she is securely fastened in his/her safety harness. Such ignition switch or emergency cut off shall be encircled in red and clearly labeled for the "ON" and "OFF" positions.
- 13.5 Suspension Parts:** All suspension parts and steering parts must be keyed, safety wired, or be fit with a *locking* style nut- nylock, all metal or double nut method is acceptable.
- 13.6 Scatter Shields:** Each vehicle with a manual clutch must have a CHCA approved 360-degree scatter shield. All clutch and flywheel assemblies must be SEMA or CHCA approved. (Must be verifiable by the Technical Committee.)
- 13.7 Throttle Return Springs:** All vehicles, regardless of class, must have two (2) throttle return springs.
- 13.8 Throttles:** Each vehicle regardless of class must have a foot throttle, incorporating positive acting return springs attached directly to the carburetor throttle arm, and must be used to keep the linkage from passing over center and sticking in an open position. Some means of manually returning the throttle to a closed position by use of the foot must be installed on all altered linkage systems, in addition to return springs. On cable type linkages, the cable must be encased to ensure push-pull action. Any unused linkage needs to be cut or removed.
- 13.9 Vehicle Incidents:** All race vehicles involved in an incident (crash), during an event, will be re-teched before it is eligible to compete in either the same event or the next. After an incident, it is the drivers' responsibility to check with the tech director for a re-tech on any mechanical and safety issues.
- a. Safety Director must fill out Incident Report Form (Insurance) on each and every incident at an event. A copy of the incident report form will be provided to the Secretary for permanent record no later than twenty-four (24) hours following the event.

- 13.10 Safety Nets/Arm Restraints:** Safety Nets and/or Arm Restraints are mandatory in all vehicles. See class rules for specifications.
- 13.11 Seats** All seats must be securely mounted and approved by the Technical Director.
- a. Specifications or documentation may be required by the Technical Director for approval of any non metal seat.
  - b. Seats must incorporate a headrest; or a headrest must be secured to the roll cage within contact of the helmet with the driver in the seated position.
- 13.12 Wheelbase:** All classes that weigh must display wheelbase and minimum weight on vehicle that is visible when pulling on scales. If motor changes, it is the driver's responsibility to change minimum weight on vehicle.
- 13.13 Batteries:** All liquid lead acid type batteries shall be enclosed in a marine type leak proof container, and all batteries shall be securely attached to the primary structure of the vehicle. All containers and attachments of batteries are subject to approval by the Technical Director. Gel cells are exempt from enclosed container. The positive terminal must be insulated on all vehicles.
- 13.14 Drive shafts:** All vehicles shall be equipped with a driveshaft retainer. The retainer must be fastened to the roll cage or cross member in a secure manner. It must be forward to the centerline of the driveshaft. Minimum dimensions shall be: Two (2) inches in width one-fourth (1/4) inch thick steel or equivalent, the retainer must encircle the driveshaft a complete three hundred sixty degrees (360).
- 13.15 Awards:** The CHCA will award as prize money at least 80% of the net gate and be split among the classes evenly. In each class, distribution of prize money will be determined by class payoff rules. If expenses are not covered by gate receipts, the excess expenses will be divided by the total number of entries and divided equally. \$15.00 out of each entry will go to the first five fastest drivers on race day. To be split as follows:

- 1st 30%
- 2nd 25%
- 3rd 20%
- 4th 15%
- 5th 10%

- a. To be eligible for any awards, money or points the race vehicle must take a checkered flag.
- b. **DELETED**
- c. Contingencies: Additional cash awards and/or merchandise may be offered by participating companies that are contingent upon use of their product and/or the display of their decals and/or signing of advertising release.
- d. Presentation: Prize money will be presented to the winning owners within twenty one (21) days after the completion of the event, barring protests. Competitors must

compete in fifty percent (50%) of events each year to be eligible for year end awards with the exception of Record Time awards.

**e. Deleted (OWNERS POINTS)**

**13.16 Glass on Vehicle:** Any glass on a vehicle that is not laminated or Lexan must be totally taped 100% to keep in one piece. Headlights, taillights and mirrors included.

**13.17 Helmets:** All competing drivers and accompanying passengers must wear safety helmets in good condition and deemed safe by the Tech Director. All helmets must be **Snell SA 2005** or newer. Quad riders will follow rule **808a** in their class rules.

**13.18 Entry Fees:** All entry fees will be voted on by vehicle owners only.

**13.19 DELETED**

**13.20 Driver's Points:** Drivers shall receive points for driving only, with **bonus points of Forty (40)** for taking a green flag at all events, in the same class.

a. Any race vehicle or driver receiving assistance from a safety worker constitutes a DNF at that location on the race course.

b. Point System:

Qualifying Position	Points	Race Day Position	Points
1	10	1	41
2	9	2	35
3	8	3	30
4	7	4	25
5	6	5	20
6	5	6	19
7	4	7	18
8	3	8	17
9	2	9	16
10	1	10	15
11 and on	1and on	11	14
		12	13
		13	12
		14	11
		15	10
		16	9
		17	8
		18	7
		19	6
		20	5
		21	4
		22	3
		23	2
		24 and on	1 and on

### **13.21 Weighing of Cars:**

- a. In cases where the scales are at the start line and a vehicle is selected for re-weighing, the vehicle must make its minimum weight without any addition of fuel, etc. If conditions, weather, dust, etc. determine pumping is inappropriate; the engines can be tagged until pumping can be completed.
- b. Any car that finishes in the top half of the field may be pumped. A unanimous vote of those being pumped could eliminate the pumping procedure. The alternate must also vote. The Chief Steward can require that these cars will be pumped, regardless of the vote.
- c. At events with the scales at the Start-Line, a random drawing of a finishing position will be held to identify a car for re-weighing.
- d. If a record is set (qualifying or race day), that car will be re-weighed (if required), re-teched, and the engine pumped, to verify, engine size, at the end of the event.
- e. All vehicles that weigh must make their minimum weight at the finish line.
- f. The vehicle must meet Section 13.21 in its entirety before being recognized.

**13.22 Roll cage requirements, all classes.** All vehicles must incorporate the use of a roll cage. The roll cage must be designed to withstand compression forces which may result from the weight of the vehicle coming down on the roll cage structure, and take fore and aft loads which may result from the vehicle skidding along the ground on the roll cage. The roll cages must be contained entirely within the body compartment.

- a. Basic Design Construction: The main roll cage hoop must extend the full width of the competitor compartment and must be a minimum of two (2) inches above, and not more than ten (10) inches behind the top of the competitor's helmet when sitting in the normal position (all vehicles except open wheel and mini-sprint see Open Wheel and Mini- Sprint Rules).
- b. Material: The roll cage must be constructed of SAE 4130 steel tubing, mild steel tubing or 6061-T6 aluminum. It will be the responsibility of the vehicle owner to provide documentation as to the specifications of the material used if requested. The roll cage must be gusseted in all four corners. It is recommended that all gussets be made of seamless tubing thereby eliminating any sharp edges which might endanger the competitor in the event of a roll-over. Rear bracing struts are to be incorporated into the construction of the roll cage, for the purpose of determining tubing sizes, the vehicle weight is without competitor. The minimum size of tubing shall be determined as follows: Vehicle Weight Roll Cage

Weight Mild Steel / Alloy Steel / Aluminum 6061T6  
Under 1000 lbs 1.375x.090 / 1.250x.095 / 1.500x.125

1001 - 2000 lbs 1.500x.090 / 1.375x.095 / 1.500x.188

2001 - 3000 lbs 1.500x.120 / 1.500x.095 / 1.625x.188

3001 - 4000 lbs 1.750x.120 / 1.625x.095 / 1.750x.188

Over 4000 lbs 2.000x.120 / 1.750x.095 / 2.000x.188

**13.23 Vehicle Appearance:** All vehicles must have a neat and clean appearance. Any vehicle, which by its appearance, detracts from the character of the program, shall be excluded from the event at the discretion of the Chief Steward.

**13.24 Right to Protest:** The right to protest lies only with the vehicle owner and/or the driver.

- a. **Lodging of Protest and Protest Fees:** Protests shall be in writing and accompanied by the prescribed protest fee of \$150.00 per item. The protest shall clearly state the subject or action being protested, as well as the reason(s) for the protest. The protest fee shall be returned if the protest is deemed well grounded by the Chief Steward and/or the Technical Director.

If found legal, \$100.00 per item protested will go to the protested entry, \$50.00 will go to the CHCA Operating Capitol. If found illegal; the protest fee will be returned in full.

If engine tear down is involved in protest, a protest fee of \$250.00 will be required with that difference from the normal fee being awarded to the protested entry if found legal. If found illegal; the difference will be returned to the protesting entry. Sportsman Class is exempt from Rule 13.24.1.

- a. **To Whom Protests Shall Be Addressed:** Protests arising out of a competition shall be addressed to the Chief Steward, Pit Steward, and/or Technical Director.
- b. **Time Limit for Protests:** Protests shall be posted within thirty (30) minutes after the last vehicle in that class crosses the finish line.

**13.25 Vehicle Numbers:** All race vehicles must have a unique competition number registered within its class. Numbers are purchased yearly from the CHCA Secretary for ten (\$10.00) dollars. If a number is purchased in one class and the driver switches to another class; a new or additional number must be purchased for another ten (\$10.00) dollars.

- a. The number "1" will be reserved for the previous year's Points Champion in each division.
- b. The assigned number is not transferable outside the class or to another owner.
- c. Anyone who raced the previous year has the opportunity to buy their number before March 1st. After that the number is available to the first race vehicle owner that purchases it, with the exception of lifetime numbers, retired numbers and the number "1".
- d. Lifetime Numbers may be purchased for \$50.00. If Lifetime Number is not used for two (2) consecutive years, any interested vehicle owner may approach the CHCA Board of Directors for permission to buy said number until the Lifetime

owner of said number resumes racing. Any owner of Lifetime Number that is not in good standing with CHCA may, by review of the CHCA Board of Directors, forfeit the rights to the number. Lifetime numbers are to be purchased by class.

Owners can only buy a Lifetime Number in the class they are currently racing in.

\*Lifetime Numbers issued before 1992 will become Lifetime Numbers in both divisions.

**e. Owners of Lifetime Numbers:**

<p>CHAMPIONSHIP DIVISION                  #27 Brian Hardman                  #59 Butch Hardman</p>	<p>COMPETITION TRUCK DIVISION                  #3 Jim Keeney</p>
<p>OPEN WHEEL DIVISION                  #3 Danny Arant                  #4 BPR Racing                  #7 John Wells                  #11 Dave Wood                  #13 Paul Shaver                  #16 J. Yost/W. Zwetsch                  #17 J. Yost/W. Zwetsch                  #38 Todd Clark                  #44 Jimmy Olson                  #53 Gene Pacheco                  #59 Butch Hardman                  #73 Cricket Buckley                  #76 Bertie Blanot                  #88 George Crater</p>	<p>QUAD DIVISION                  #2 Ray Storm                  #7 David Snodgrass                  #22 Randy Marshall                  #23 Sam White                  #55 Carl "Rink" Smith</p>
<p>RALLY DIVISION                  #11 Jeff Zwart                  #37 Jeff Regester</p>	<p>SPORTSMAN DIVISION                  #4 Danny Bartley                  #5 Roger Warden                  #15 Harry Wichman                  #18 Leonard Vahsholtz                  #16 Eddy Seitenbecher                  #17 Jim Ford                  #20 Gay Smith                  #27 Dick Foltz (Art Koch)                  #44 A. J. Palmer                  #49 Dave Ferguson                  #55 Michael Eggers                  #57 Rick Hart                  #61 Patrick Melvin                  #62 Frank Peterson                  #84 Joel Newcomer                  #94 Jeff Kosley</p>
<p>STOCK CAR DIVISION                  #5 Roger Warden                  #15 Harry Wichman                  #16 Eddy Seitenbecher                  #18 Leonard Vahsholtz                  #20 Gay Smith                  #27 Dick Foltz (Art Koch)                  #49 Bob Nankivell                  #57 Rick Hart                  #62 Frank Peterson                  #76 Brad Craig                  #84 Joel Newcomer                  #94 Jeff Kosley</p>	<p>SUPER SPRINT DIVISION                  #7 John Wells                  #4 Todd Cook                  #8 Ron Powers                  #12 Dave Wood                  #13 Vicki Keeney                  #16 Thelma Brazier                  #38 Robert Barnsbee</p>

SUPER STOCK TRUCK DIVISION #26 David Schmidt #37 Cody Finn-Kueker #54 Don McCarl	
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- f. **Retired Numbers:** The number 70 is permanently retired from the Open Wheel Division in memory and honor of Bobby Donner III. The number 88 is permanently retired from the Stock Car Division in honor of Frank Crater.

## **100 STOCK CAR CLASS CONSTRUCTION RULES**

### **100 Eligible Models**

- A. CHCA sanctioned Stock Car events are limited to American manufactured passenger cars, as listed in the N.A.D.A. BOOK.
- B. Models are limited to hardtop, two or four door sedans designed to carry four or more passengers. Roadsters, jeeps, taxis, station wagons, and trucks are not eligible.
- C. The car must be advertised and marketed through regular channels and approved for competition by the CHCA.
- D. Models, optional engines, parts, and equipment must be made available to 500 cars prior to the first race. Sources of this availability must be made available to the CHCA.

### **101 Engines**

- A. Engines must be manufactured or otherwise commercially offered by the same corporation producing the car.
- B. Engines shall be the internal combustion, reciprocating piston type, designed to operate on fuel designated as Automotive-grade gasoline.
- C. The following characteristics of the cylinder block may not be changed; numbers of cylinders, number of main bearings, and location of camshaft and overall configuration. The following characteristics of the cylinder heads may not be changed; number of valves limited to one (1) intake and one (1) exhaust valve per cylinder, types of combustion chamber, location of spark plugs, arrangements of valves, types of valve actuation, number of intake ports, and number of exhaust ports.
- D. Engine and internal engine parts and related hardware must be generally similar in design and configuration to that of standard production components.
- E. The engine in vehicles with transverse design may be moved a maximum of one and a half (1 ½) inches in any direction. If a V-8 or V-6 engine is utilized with rear wheel drive, it may have a four (4) inch set back measured from the farthest forward spark plug in line with the spindle centerline, wheels pointed straight, plus two (2) inches.
- F. Engine oil coolers may be used. The installation must be approved by the CHCA.
- G. Oversized oil pans are optional.

### **102 Car Sizes**

- A. The wheelbase shall be within one (1) inch of manufactured dimensions of body represented. Minimum wheelbase is ninety-nine (99) inches.
- B. The weight of the car including fuel, oil, water, and the driver shall be determined by the following chart:

WEIGHT CHART  
FRAME/SUSPENSION WEIGHT PER CUBIC INCH  
TYPE/WHEELBASE

Stock frame/suspension 7 ½ lbs.  
Wheelbase 99 inches to 105 inches

Stock frame/suspension 7 lbs.  
Wheelbase 105 inches and above  
Custom frame and/or suspensions 8 lbs.

Wheelbase 99 inches to 105 inches  
Custom frame and/or suspension 7½ lbs.  
Wheelbase 105 inches and above

- C. The weight of the car including fuel, oil, water, and the driver must be a minimum of 2,200 pounds.

**103 Car Construction**

- A. Original dimension of all bodies must remain as manufactured using metal or non-metal body panels from engine firewall to rear of car, except some modification for tire clearance, which is limited to fender opening for tire clearance, can not extend above stock fender line. Fiberglass front fenders and hoods are permitted with stock-appearing grills and nosepiece. One piece front ends are acceptable, hoods need not be removable.
- B. Cars must have complete bodies, hoods, fenders, bumpers, and grills, all in acceptable condition.
- C. Cars must remain standard in appearance. Streamlining is not permitted.
- D. Hoods must remain in original locked position and closed. All hoods must have positive-type fasteners at the right front and left front. Scoops allowed up to five (5) inches. Hood and/or scoop must cover air inlet.
- E. Fenders shall not be cut or altered except for wheel or tire clearance.
- F. Any ballast weight must be located within the body shell and securely fastened.
- G. All vehicles must have floorboards or underpans beneath the body (including legs and feet) of the driver with a minimum of .125 thickness aluminum, steel .0625. The Technical Director must approve all other material.
- H. A metal firewall; properly secured and installed of minimum twenty (20) gauge thickness must separate the trunk and engine compartment from the driver's compartment.
- I. Only metal or approved composite seats are allowed. Installation and structure are subject to approval of the Technical committee.
- J. Frames must be constructed of steel and are open in design.
- K. Any drive axle is permitted.

- L. The Technical Committee will enforce and police all bodylines.
- M. Aerodynamic wings, ground effects, and spoilers (other than stock) are explicitly and implicitly prohibited. It is our intention to not allow any device that will put down force on the vehicle. Flat bottoms and belly pans prohibited.

#### **104 Transmission**

- A. A 360-degree bracket of not less than two (2) inches in width and one-fourth ( $\frac{1}{4}$ ) inch thick steel, shall be placed around the drive shaft, forward of its centerline. It shall be fastened to the floor or cross member of the car to prevent the drive shaft from falling to the ground or entered the inside of the car.
- B. Transmissions must be bolted to the engine in stock locations.

#### **105 Suspension**

- A. Electrical or hydraulic weight-shifting devices are not permitted.
- B. No driver operated four-wheel steering.
- C. No electronic traction control device.

#### **106 Shock Absorbers**

- A. One (1) shock absorber per wheel.

#### **107 Brake And Hub Assemblies**

- A. Open in design.

#### **108 Wheels**

- A. The number of allowable wheels is restricted to two (2) front and two (2) rear.
- B. Wheels may be reinforced.
- C. The wheel rim width shall not exceed twelve (12) inches.
- D. Aluminum, steel, and carbon fiber only.

#### **109 Tires**

- A. Any tire available to all participants through regular channels or racing outlets is permitted.
- B. Retreads will be permitted if approved by the CHCA.
- C. Maximum tread width twelve and a half ( $12 \frac{1}{2}$ ) inches.

#### **110 Fuel Systems**

- A. The maximum capacity of the fuel cell shall be twenty-two (22) gallons. Violations of this specification can result in disqualification of the vehicle.
- B. Electric fuel pumps are permitted, but they must be connected to the master switch.
- C. Fuel cells are mandatory.

- D. All fuel cells must have approved venting system.
- E. Skid plate must be at least twenty (20) gauge thickness metal.

**111 Carburetion**

- A. Fuel injectors are not permitted in any form. Normally aspirated carburetion only.

**112 Cooling System**

- A. Open.

**113 Electrical System**

- A. Batteries must be installed in a safe manner and covered to prevent spillage.
- B. The self-starter must be in working order and all cars must be able to start under their own power.
- C. Gel cell battery must have terminals covered.
- D. No electronic data acquisition equipment outside of engine tachometer and O2 sensor playback.

**114 Exhaust System**

- A. Exhaust pipes shall extend past the driver if they are underneath the car. If they exit the side of the car, they must extend to the front of the driver's seat.
- B. No exposed exhaust systems will be permitted within the driver's compartment.

**115 Glass**

- A. The full windshield shall be in good condition.
- B. The rear window is required.
- C. Headlights and taillights shall be removed if glass.
- D. Lexan polycarbonate or equal may be substituted for glass. A minimum thickness of three-sixteenths (3/16) inch in front and one-eighth (1/8) inch rear is required.

**116 Roll Bars**

- A. A steel four-post roll cage is mandatory.
- B. Outside diameter of the roll bar must be at least one and one-half (1 ½) inches diameter, with a wall thickness of at least 120 (mild steel) or its equivalent.
- C. At least three (3) sidebars shall be used on driver's (left) side, with two (2) on the passenger (right) side. Frame rail does not count as a side bar. Driver sidebars must be horizontal to earth.
- D. A top bar from the front to back in roof will be required.

If car with composite roof is used, then an overpan of not less than twenty-two (22) gauge metal must be fastened securely to roll cage above driver's seat.

- E. Gusseting is required at the four (4) corners of the cage as well as where the four (4) posts are mounted to the frame.
- F. Except where forward or side vision is affected, any portion of the roll structure which might be contacted by the driver's helmet shall be covered with energy absorbing material (high density) to a minimum thickness of one-half (½) inch. Protective wrapping must cover the energy absorbing material. (Styrofoam and ensolite are examples of energy absorbing padding).
- G. The Technical Committee will inspect interior sheet metal in the driver's compartment for safety and clearance for removing an injured driver. (CHCA recommends a minimum of twelve (12) inches of the right side clearance).
- H. Height of Roll Cage in accordance to the driver's helmet is to be: Two (2) inches from top of helmet to top of roll bar for all classes.

### **117 Fuels And Lubricants**

- A. Pump gasoline, accepted racing fuels, compressed natural gas, and/or alcohol only shall be used for fuel. No nitrogen-bearing additives or materials are permitted.
- B. Any engine oil, transmission, or rear-end lubricant may be used.
- C. Dry sump tanks must be shielded from the driver and approved by the Technical Committee.

### **118 Car Numbers And Names**

- A. The assigned competition number shall be displayed on both sides of the car, as well as on the roof or trunk, in readable numbers at least (13) inches in height.
- B. Slogans, designs, or advertising on the car must be appropriate and acceptable to the CHCA.

### **119 Weighing Of Cars**

- A. Scales
  - 1. At least one (1) day prior to practice day of any sanctioned event, the CHCA shall make known to all competitors the location of the scales to be used for the particular event.
  - 2. Only the CHCA designated scales will be considered official.
  - 3. The official scales will be available to all competitors during a prescribed time on both practice and race days.
- B. Cars to be weighed
  - 1. At the discretion of the Chief Steward, cars will be weighed every run and must be legal at the scale location.
  - 2. Any car that fails to arrive at the scales, baring unforeseen circumstances, shall automatically be disqualified for that run.

C. Procedure for Weighing

1. In cases where the scales are at the start line and a vehicle is selected for re-weighing, the vehicle must make its minimum weight without any addition of fuel, etc.
- D. If conditions, weather, dust, etc. determine pumping is inappropriate; the engines can be tagged until pumping can be completed.
- E. Any car that finishes in the top half of the field may be pumped. A unanimous vote of those being pumped could eliminate the pumping procedure. The alternate must also vote. The Chief Steward can require that these cars will be pumped, regardless of the vote.
- F. At events with the scales at the Start-Line, a random drawing of a finishing position will be held to identify a car for re-weighing.
- G. If a record is set (qualifying or race day), that car will be re-weighed.

**120 Magnetic Particle Inspection**

- A. CHCA recommends magnafluxing of front-end parts.

**121 Entry Fees**

- A. The Stock Car Class entry fee will be \$175.00.

**122 Prize Money**

- A. Paid to top half of entries and must take a checkered flag on race day.

**123 Fire Extinguishers**

- A. Every entrant must have in his/her possession in the pit area a fully charged fire extinguisher of **ten (10)** pounds capacity.
- B. An operational fire extinguisher(s) with a total minimum of five (5) pounds shall be mounted in or on each race vehicle and shall be located within easy reach of the driver while he/she is securely fastened in his/her safety harness.

**124 Safety Nets**

- A. Any vehicle using safety nets must have netting attached to the frame of the vehicle by either two (2) seat belt style clasps, or with a solid steel type rod of a minimum ½-inch diameter with a protrusion at the rear of a minimum three (3) inches.
- B. Nets must be installed in a proper manner at the discretion of the Technical Director.
- C. All vehicles must use safety net and/or arm restraints, at the discretion of the Technical Director.

## **200 SPORTSMAN CLASS CONSTRUCTION RULES**

### **200 Eligible Models**

- A. CHCA sanctioned Sportsman events are limited to American manufactured passenger cars with production dates from 1955 and newer with a 105 inch minimum wheelbase plus or minus a one (1) inch deviation from original equipment.
- B. Chassis and bodies are limited to hardtop; two or four door sedans designed to carry four or more people. Roadsters, jeeps, taxis, station wagons, trucks, and four wheel drive vehicles are not eligible.
- C. The car must be advertised and marketed through regular channels and approved for competition by the CHCA.
- D. Models, optional engines, parts, and equipment must be made available to 500 cars prior to the first race. Source of this availability must be made available to the CHCA.

### **201 Engines**

- A. OEM (original equipment manufactured) cast iron blocks only.
- B. OEM cast iron heads only.
- C. Cast iron or aluminum intake manifolds of a one-piece casting design are permitted.
- D. V-8 engines only.
- E. Stock type distributors only. No Magnetos.
- F. No roller cams, mushroom lifters, or any type of oversized lifters.
- G. No dry sump oil systems, OEM style pumps only.
- H. The V-8 engine shall not be mounted farther back than the farthest forward spark plug in line with the upper ball joint, or the centerline of a strut plus or minus one (1) inch.
- I. Engine oil coolers may be used.
- J. No grinding or smoothing of exterior of cylinder heads or block. Casting numbers must be untouched.

### **202 Car Sizes**

- A. The wheelbase shall be within one (1) inch of original manufactured dimensions.
- B. The weight of the car including fuel, oil, water, and the driver shall be at least nine (9) pounds per cubic inch of displacement.
- C. The car must have fifty percent (50%) of the minimum weight on the front wheels with driver in normal seated position.
- D. The weight of the car including fuel, oil, water, and the driver must be a minimum of 3000 pounds.

### **203 Car Construction**

- A. Original dimensions of all bodies must remain as manufactured using stock appearing body panels from front to rear of car, except some modifications for tire clearance, which is limited to the fender opening which cannot be extended above the stock fender line. No one-piece front ends permitted. When non-metal roofs are utilized, a twenty (20) gauge steel or equivalent strength roll cage roof overpan must be installed. When non-metal doors are utilized, a twenty- (20) gauge steel or equivalent strength inner door panel must be installed on driver's side of car.
- B. Cars must have complete bodies, hoods, fenders, bumpers, and grills all in acceptable condition.
- C. Cars must remain standard in appearance. Streamlining is not permitted.
- D. Hoods must remain in original locked position and closed. All hoods must have positive type fasteners at the right front and left front. Aftermarket fiberglass, plastic, or aluminum hoods with a maximum of five (5) inch scoop are allowed.
- E. Any ballast weight must be located within the body shell and securely fastened. Car number must be on all ballast weight in car.
- F. The stock floor pan or minimum eighteen (18) gauge steel with all holes filled is required with driver's compartment.
- G. All doors must be fastened in an approved manner. Doors shall be bolted with not less than two (2) 3/8 inch bolts or the equivalent, per door.
- H. A firewall properly secured and installed of not less than twenty (20) gauge metal thickness shall separate the trunk and engine compartments from the driver's compartment. All holes in the firewall shall be covered.
- I. OEM frames may be altered in the front only. If alterations are made in front of any suspension or steering mounts and the rear of the frame only behind any suspension mounts.
- J. Stock type rear ends only. No quick change rear ends.
- K. No lightweight drive shafts allowed must be steel.
- L. An operational fire extinguisher(s) with a total minimum weight of five (5) pounds shall be mounted in car and shall be located within each reach of the driver while he/she is securely fastened in his/her safety harness. Onboard style fire system recommended.

### **204 Transmission**

- A. A 360-degree steel bracket, of not less than two (2) inches in width and ¼ inch thickness, shall be placed around the drive shaft, forward of its centerline. It shall be fastened to the floor or cross member of the car to prevent the drive shaft from falling to the ground or entering the inside of the car.

- B. Transmissions must be bolted to the engine in stock locations, and must be original equipment manufactured (OEM) transmissions.

#### **205 Suspension**

- A. Stock OEM suspension and chassis only, no alterations permitted to any parts. May reinforce for strength purposes only.
- B. Suspension must mount in stock location plus or minus one (1) inch.
- C. No weight jacks or wedge bolts allowed.
- D. Stock type sway bars only, may be heavy duty.
- E. OEM suspension must remain same type for chassis claimed coil-to-coil, leaf-to-leaf, strut-to-strut, etc.
- F. May use tubular upper control arms. Must mount in stock location using stock type ball joint and must be non-adjustable.

#### **206 Steering**

- A. Steering quickener permitted.
- B. OEM steering boxes/racks must mount in OEM location. OEM steering component only.
- C. All steering shafts must have a u-joint in the middle of the shaft or have a collapsible shaft.

#### **207 Shock Absorbers**

- A. Shocks will be mounted in stock location.
- B. Only one (1) shock per wheel.
- C. Heavy-duty shocks may be used if they are similar to original equipment.
- D. Shock ends must be mounted in rubber or neoprene. No heim end shocks allowed. No interchangeable-end shocks allowed.

#### **208 Brake and Hub Assemblies**

- A. Stock type interchangeable brake assemblies must be used as well as brake linings.
- B. No type of racing or lightweight calipers, rotors, spindles, or hub assemblies is permitted. OEM parts only.
- C. Brakes may be cooled by venting forced air.
- D. May use dual master cylinder
- E. No rear wheel disc brakes allowed.
- F. No drilled or slotted rotors of any kind allowed.

## **209 Wheels**

- A. The number of allowable wheels is restricted to two (2) front and two (2) rear wheels.
- B. The wheel rim width shall not exceed ten (10) inches.
- C. The diameter of the wheels shall be thirteen (13), fourteen (14), or fifteen (15) inches. No wide five (5) wheels permitted.
- D. Steel and/or aluminum wheels only.

## **210 Tires**

- A. Department of Transportation (DOT) approved tires only will be used.
- B. Maximum tread width is eleven and one half (11 ½) inches.
- C. Retreads will be permitted if approved by the CHCA Sportsman Class Majority.
- D. All retreads must have a DOT carcass and tread.
- E. No studs or metal traction devices can be used.
- F. The outside edge of the tire tread at the top may be no more than one (1) inch outside the fender well or flare to include front and rear tires on both sides.

## **211 Fuel System**

- A. Electric fuel pumps are permitted, but they must be connected through the master switch.
- B. Fuel cells are mandatory.
- C. All fuel cells must have a check valve vent system.
- D. All cars must have a metal skid plate under fuel cell of minimum twenty (20) gauge thickness.

## **212 Carburetion**

- A. Single Holley 4412 two-barrel carburetor will be used. No modifications are allowed except removal of the choke plate.
- B. Fuel injections are not permitted in any form. Normally aspirated carburetion only.

## **213 Cooling Systems**

- A. The radiator must mount in front of the engine.

## **214 Electrical Systems**

- A. Batteries must be installed in a safe manner and covered to prevent spillage.
- B. The self-starter must be in working order and all cars must be able to start under their own power.
- C. The master switch will be mounted in left front of driver's compartment, within reach of driver with seatbelt fastened. Master switch must cut all accessories.
- D. Gel cells must have positive terminals covered.

## **215 Exhaust Systems**

- A. Exhaust pipes shall extend past the driver if they are underneath the car. If they exit the side of the car, they must extend to the driver's seat.
- B. No exposed exhaust systems will be permitted within the driver's compartment.
- C. Headers of any type may be used.

## **216 Glass**

- A. The full windshield is required and must be in good condition.
- B. Rear window is required.
- C. Headlights and taillights shall be removed and openings covered with either metal or screening, unless Lexan® or plastic.
- D. Lean polycarbonate or equal must be substituted for glass. A minimum thickness of three-sixteenth (3/16) inch in front and one-eighth (1/8) inch rear is required. No Plexiglas allowed.

## **217 Roll Bars**

- A. A steel four-post cage is mandatory. All roll cage material must be steel.
- B. Outside diameter of the roll bar must be at least one and half (1 ½) inches, with the thickness of at least .090 inch.
- C. At least three (3) horizontal sidebars shall be used on the driver's side, with at least two (2) horizontal bars on the other side.
- D. A top bar from the front to back in roof will be required.
- E. Two (2) fore-aft braces made of steel tubing at least equal to that required for the main loop are required. The fore and aft bracing must be attached as near as possible to the main hoop, but not more than six (6) inches below the top of the hoop, and at an incline angle of at least thirty (30) degrees.
- F. All roll cages must be contained within the driver's compartment.
- G. Gusseting is required at the four (4) corners of the cage, as well as where the four (4) posts are mounted to the frame.
- H. Roll bar shall be padded with Energy Absorbent Material and shall be securely fastened from the bottom of the left side to the center of the top of the cage.
- I. A wing window support bar must be welded to the cage on the driver's side.
- J. All cars must have two (2) roll bars extending from the main cage forward to the front of the frame, and welded in place. Bars must be in front of all suspension mounts, and must be a minimum of one and half (1 ½) inch .090 steel tubing. Bars in front must be connected to each other in same way.
- K. All drivers must have a minimum of two (2) inches above the top of the helmet to the top of the roll cage.

- L. All cars must have a driver side window net securely attached to the frame or roll cage with two (2) seat belt style clasps, or with one (1) seat belt clasp and a steel rod minimum ½ inch diameter with a protrusion to the rear of a minimum of three (3) inches.

**218 Fuels and Lubricants**

- A. Pump gasoline or racing gasoline only.
- B. No alcohol allowed.
- C. No nitrogen or oxygen bearing additives or materials permitted.

**219 Car Numbers and Names**

- A. The assigned competition number shall be displayed on both sides of the car as well as the top or the trunk, in readable numbers at least thirteen (13) inches in height. The Sportsman car will be required to have an “s” after the number.
- B. Slogans, designs, or advertising on the car must be appropriate and acceptable to the CHCA.

**220 Weighing of Cars**

**A. Scales**

- A. At least one (1) day prior to practice day of any sanctioned event, the CHCA shall make known to all competitors the location of the scales to be used for the particular event.
- B. Only the CHCA designated scales will be considered official.
- C. The official scales will be available to all competitors during a prescribed time on both practice and race days.

**B. Cars to be Weighed.**

- A. At the discretion of the Chief Steward, following its qualifying run, each car may be weighed. Under proper supervision, the car will be taken directly to the scales for weighing.
- B. All Sportsman cars to be weighed on race day.
- C. Any car that fails to arrive at the scales within the allotted time following qualifications or the race, barring unforeseen circumstances, shall automatically be disqualified.
- D. Any car setting a record must be re-weighed and motor pumped after completion of record run.
- E. All cars must weigh legal at finish of run.

### **C. Procedures of Weighing**

- A. The car will then be weighed on the scales, with the driver, and whatever the scales read shall be considered the official weight of the car.
- B. A car will only be weighed one time following qualifications and/or race. Nothing may be added to vehicle prior to or during weighing.

### **221 Engine/Head/Carburetor Claim Rule**

- A. The engine or heads or carburetor can only be claimed by the owner or driver of a Sportsman car that took the green flag on race day.
- B. The price of the engine shall be \$2,500.00, the price of the heads shall be \$700.00, or the price of the carburetor shall be \$200.00; the notification shall be made to the Chief Steward or appointed officials within thirty (30) minutes after the last Sportsman car has crossed the finish line.
- C. Refusal to sell engine, heads or carburetor will result in loss of all money, trophies, and points for the entire event, and will not be allowed to compete in the next two (2) events.
- D. Funds must be in cash, guaranteed check, or funds approved by the CHCA. Funds must be validated before the owner of the engine or heads make the decision to sell or not to sell.
- E. The engine, cylinder heads, or carburetor must be pulled the day of the race. The Technical Committee with the assistance of the seller and buyer will tape and mark the engine, cylinder heads, or carburetor before the vehicle leaves the race course. Only two (2) members of the seller's crew, one (1) from the buyer's crew, and one (1) technical official will be allowed at the location to be agreed upon by both the seller and the buyer. If an agreement cannot be reached, the Technical Official or the Board of Directors will decide.
- F. All the following engine parts stay with the seller: (Fasteners that attach these parts to the engine stay with these parts) Fly wheel, Flexplate, Adapters and Bolts, Motor Mounts, Oil Pan and Bolts, Starter and Bolts, Complete Spacers, Intake Manifold and Bolts, Water Pump and Studs, All Pulleys and Bolts, Fan and Spacers, Valve Covers and Bolts, PCV Filters, Breathers, Clutch, Pressure Plate and Throw out bearing, Bell Housing, Fuel Pump (Mechanical), Temperature Sending Unit, Oil Sending Unit, Oil Pump and Pickup with drive rod, Harmonic Balancer.
- G. All the following head parts go to the buyer: Complete heads to include all valves, springs, retainers, locks, studs, and guide plates.
- H. All the following head parts stay with the seller: All rocker arms, polylocks, pushrods, lash caps, and stud girdles.

- I. In the situation of multiple purchasers (engine or heads) the purchase will go to the person finishing farthest back in the field race day.

**222 Entry Fees**

- A. Entry fees for the Sportsman cars shall be \$175.00 per event.

**223 Tear Down/Inspection Policy**

- A. The top five (5) finishers shall have a mandatory tear down and/or inspection unless unanimously voted against.
- B. One (1) to five (5) items will be checked.
- C. The five (5) items to be checked in the tear down/inspection policy will be determined after the top half has been determined Sunday, and voted on within fifteen (15) minutes after last Sportsman car has finished.
- D. One (1) tech inspector, and one (1) Sportsman representative, the driver of the car, and one (1) crewmember are permitted to attend this tear down/inspection.

**224 Rules**

- A. All Sportsman rules will be reviewed by eligible car owners yearly.

**225 Prize Money**

- A. There will be no gate split with the Stock Car Class. All Sportsman cars must take a checkered flag for payoff.

**226 Technical Inspection**

- A. Technical Director and one Sportsman Representative must both be present and must both sign technical inspection form before any Sportsman car may take a green flag at any event.

## **300 OPEN COMPETITION CLASS CONSTRUCTION RULES**

### **300 Open Competition**

- A. No rules except safety rules as specified by Section 3.10 of the General Rules.

### **301 Tires And Wheels**

- A. No studded tires are allowed.

### **302 Fuel Cells**

- A. Fuel cells are mandatory.

### **303 Body Construction**

- A. All race cars will be required to run bodies with as much coverage as practical.

### **304 Competition Numbers**

- A. Competition numbers on the vehicles must be at least twelve (12) inches in height and will be located on both sides and the nose section of the vehicle.

### **305 Roll Bars**

- A. Four post cages are required.
  1. All roll cages shall incorporate a front hoop or crossbar that extends above the driver's helmet while seated in a normal driving position. Said hoop or crossbar shall be a minimum of six (6) inches in front of driver's helmet on a horizontal plane to the front of the crossbar from top of visor to front of crossbar when seated in driving position.
  2. The rear hoop shall extend a minimum of four (4) inches above the driver's helmet while the driver is strapped in the car's seat, without wings.
  3. The rear hoop shall extend a minimum of two (2) inches above the driver's helmet while the driver is strapped in the car's seat, with wings above the roll cage. By either one over head wing, or the combination of a rear and front wing. To be determined by drawing a straight line from the wing to a solid point on the front of the car.
  4. If the helmet breaks the outside of the plane of the roll cage, while strapped in the car, nets will be required (i.e. Sprint Car Style).
  5. Arm restraints are mandatory in all Open Wheel Cars.

- B. Roll bars must be a minimum of 1 3/8 inch outside diameter if constructed of 4130 steel tubing with .095 wall thickness, or equivalent.
- C. Roll bars will be mounted to the frame of the vehicle in one of the following ways:
  - 1. Roll bars welded directly to the frame.
  - 2. Roll bars welded to a steel plate that has a minimum of 1/4 inch thickness, with the plate welded or bolted to the frame.
  - 3. Tubing identical to the roll bar material, but with an outside diameter of the same inside diameter of the roll bars may be welded to a steel plate securely fastened to the frame. The roll bars will be placed over the smaller tubing and secured by no less than two (2) 3/8 inch aircraft bolts that pass through the roll cage tubing horizontally.
- D. The four top corners of the roll bar will be properly gusseted.
- E. A padded headrest is mandatory.

### **306 Throttles**

- A. The design and construction of the throttle shall be as to insure to the maximum extent possible that a locked wide-open throttle condition shall not occur. Whereas manual throttle return and acceleration pedal safety toe straps are recommended, design incorporated, multiple return spring mechanism is acceptable. Throttle designs must pass Technical Inspection by the CHCA.

### **307 Shutoff Valve**

- A. A fuel shutoff valve with a quarter turn or push pull operation is required and must be within easy reach of the driver while securely fastened in his/her safety harness.
- B. All vehicles will be equipped with an on board fire extinguisher system of a minimum five (5) pound capacity.

### **308 Steering**

- A. Steering wheel must permit free movement of the front wheels and be equipped with turning radius stops.
- B. Pitman arms shall be set to eliminate reverse steering.
- C. Racing type steering wheel will be required and approved by CHCA.

### **309 Revolving Parts**

- A. All open drive shafts must be equipped with two (2) inch wide by 1/8 inch thick, or equivalent, 360-degree steel hoop to contain the drive shaft so it will not fall to the ground.
- B. All vehicles must be equipped with approved safety hubs.

### **310 Firewalls**

- A. An effective firewall of metal of at least twenty (20) gauge thickness will be installed between the engine compartment and the cockpit, and between the fuel cell and the cockpit.

### **311 Floorboards**

- A. A metal floorboard or metal undertray must be installed.
- B. Ground clearance must be sufficient to provide for a flat tire.

### **312 Transmissions**

- A. The transmission must incorporate a de-clutching device such as a neutral lockout.
- B. Any open drive shafts or drive chains must be protected with a suitable guard.

### **313 Chassis Safety**

- A. Brakes - Each vehicle must be equipped with a braking system that will operate the brakes efficiently and sufficiently on all four wheels. It is mandatory that all cars have dual master cylinders.
- B. Fuel Injection - Fuel lines and linkage must be sufficiently supported or reinforced.

### **314 Starters**

- A. All open wheeled cars must be equipped with a mounted starting system capable of starting with on board or auxiliary battery power.
- B. All open wheel cars shall furnish their own battery starting system at all events.

### **315 Seats**

- A. Refer to Section 13.11

### **316 Entry Fees**

- A. An entry fee for the Open Wheel class will be \$175.00.
- B. Must take checkered flag for payoff. Open Competition class will pay the whole field that takes the checkered flag on race day.

## **400 SUPER SPRINT CAR CLASS CONSTRUCTION RULES 2010**

### **400 Eligible Models**

- A. This class shall be open to all normally aspirated flat bottom two-wheel drive cars.

### **401 Engine Size Limits**

- A. Maximum allowable displacement: 220 cubic inches. Six (6) cylinders maximum.
- B. All Super Sprint Cars shall weigh eight pounds per cubic inch.

### **402 Fire Extinguishers**

- A. An operational fire extinguisher(s) with a total minimum of five (5) pounds shall be mounted in the vehicle within easy reach of the driver while he/she is securely fastened in his/her safety harness.

### **403 Safety Nets/Arm Restraints**

- A. The use of safety nets or arm restraints are mandatory.

### **404 Airfoils**

- A. Wings may not extend past the outside of the tires, with a sixteen (16) square foot limit, combined front and rear.
- B. Wing angles or pitch may not be changed by the driver while seated in the cockpit.

### **405 Tires And Wheels**

- A. No studded tires are allowed.

### **406 Fuel Cells**

- A. Fuel cells are mandatory.

### **407 Body Construction**

- A. All race cars will be required to run bodies with as much coverage as practical.

### **408 Competition Numbers**

- A. Competition numbers on the vehicle must be legible and at least twelve (12) inches in height on both sides of the car, and at least nine (9) inches in height on the nose section of the car.

### **409 Roll Bars**

- A. Four post cages are required.
  1. All roll cages shall incorporate a front hoop or crossbar that extends above the driver's helmet while seated in a normal driving position. Said hoop or crossbar shall be a minimum of six (6) inches in front of the driver's helmet

when seated in driving position.

2. The rear hoop shall extend a minimum of four (4) inches above the driver's helmet while the driver is strapped in the car seat, without wings.
  3. The rear hoop shall extend a minimum of two (2) inches above the driver's helmet while the driver is strapped in the car seat, with wings above the roll cage. By either one overhead wing, or the combination of a rear and front wing. To be determined by drawing a straight line from the top wing to a solid point on the front of the car.
  4. If the helmet breaks the outside plane of the roll cage while strapped in the car, nets will be required (i.e. Sprint car style)
- B. Roll bars will be mounted to the frame of the vehicle in one of the following ways:
1. Roll bars welded directly to the frame.
  2. Roll bars welded to a steel plate that has a minimum of ¼ inch thickness, with the plate welded or bolted to the frame.
  3. Tubing identical to the roll bar material, but with an outside diameter of the same inside diameter of the roll bars may be welded to a steel plate securely fastened to the frame. The roll bars will be placed over the smaller tubing and secured by no less than two 3/8-inch aircraft bolts that pass through the roll bar and tubing horizontally.
- C. The four (4) top corners of the roll bar will be properly gusseted.

**D. Headrests: Refer to Section 13.11**

#### **410 Throttles**

- A. See General Construction Rules.

#### **411 Shutoff Valve**

- A. A fuel shutoff valve with a quarter turn or push-pull operation is required, and must be within easy reach of the driver while securely fastened in his/her safety harness.
- B. This rule is for mechanical fuel injection only. Carburetors and electronic fuel injection are controlled by the on-off switch.

#### **412 Steering**

- A. Steering wheel must permit free movement of the front wheels and be equipped with turning radius stops.
- B. Pitman arms shall be set to eliminate reverse steering.

C. See General Construction Rules.

#### **413 Revolving Parts**

A. See General Construction Rules.

#### **414 Firewalls**

A. An effective firewall of metal of at least twenty (20) gauge will be installed between the engine compartment and the cockpit and between the fuel cell and the cockpit.

#### **415 Floorboards**

- A. A metal floorboard or metal under pan must be installed.
- B. Ground clearance must be sufficient to provide for a flat tire.

#### **416 Transmissions**

- A. The transmission must incorporate a de-clutching device such as a neutral lockout.
- B. Any open drive shafts or drive chains must be protected with a suitable guard.

#### **417 Chassis Safety**

- A. Brakes: Each vehicle must be equipped with a braking system that will operate the brakes efficiently and sufficiently on all four wheels. It is mandatory that all cars have dual master cylinders.
- B. Carburetion: Fuel lines and linkage must be sufficiently supported or reinforced.

#### **418 Starters**

- A. All open wheeled cars must be equipped with a mounted starting system capable of starting with on board or auxiliary battery power.
- B. All open wheel cars shall furnish their own battery starting system at all events.

#### **419 Seats**

A. Refer to Section 13.11

#### **420 Magnetic Particle Inspection**

A. The following parts are recommended to be magnafluxed:

- |                                   |                           |
|-----------------------------------|---------------------------|
| 1. Steering Shaft                 | 8. Sector Shaft           |
| 2. Idler Arm Bracket              | 9. Idler Arm              |
| 3. Pitman Arm                     | 10. Front Spindle Arms    |
| 4. Steering Arm to Idler Arm      | 11. Tie Rod Ends          |
| 5. Spindle Connecting Rods        | 12. Front Hubs            |
| 6. Spindle Connecting Rod Sleeves | 13. Front Spindle Sleeves |

## 7. Upper and Lower Ball Joints

### 421 Entry Fees

- A. The entry fee for the Super Sprint Division is \$175.00.
- B. Race vehicle must take a checkered flag for payoff.

**422 Rules Duration** Super Sprint rules shall remain locked for a period of three (3) years unless voted upon and ratified unanimously by drivers of the current calendar season. Anyone wishing to seek a change to the rules must present their request to the Class Representative at the end of the current season and no later than the year end rules meeting for consideration.

## **500 COMPETITION TRUCK CLASS CONSTRUCTION RULES**

### **500 General**

All trucks must be race ready to pass technical inspection. The CHCA General Competition Rules binds all truck competitors. No competitor or his authorized agent shall circumvent the intent of the rules. CHCA reserves the right to amend these rules. Each truck entered in CHCA shall be required to pass a safety and technical inspection at a location designated by the Technical Committee. The safety technical inspection must be conducted under the direction of CHCA. Items to be checked are spelled out in these regulations. Trucks may be subject to inspection by the Technical Committee at any time during the event. Trucks found to be unsafe will be barred from further competition until defects are corrected. The inspectors shall conduct the inspection in accordance with the standards prescribed by the Technical Committee. All vehicles must be presented in a neat and clean condition with no body damage or primer apparent.

### **501 Truck Construction**

- A. Trucks will be two (2) wheel drive or four (4) wheel drive.

### **502 Truck Eligibility**

- A. Sanctioned truck events are limited to manufactured trucks and utility vehicles.
- B. Fuel injection or normally aspirated carburetors allowed. No turbo charged or super charged allowed.

### **503 Design And Construction**

- A. The vehicles in this class must resemble a Production Truck or Utility Vehicle.
- B. All hoods must have positive fasteners. One piece front end allowed.
- C. All doors will be fastened in an approved manner.
- D. Any frame or frame construction is allowed.
- E. All vehicles must have an over pan attached to the roll cage in an approved manner.
- F. No wings, ground effects, or devices that produce down force are allowed unless OEM original equipment.
- G. On board computers used for data acquisition in a manner is allowed. Traction control is implicitly and explicitly prohibited.
- H. All vehicles must have netting attached to the roll cage of the vehicle by either two (2) seat belt style clasps or with a solid steel rod of a minimum 3/8 inch diameter with a protrusion at the rear of a minimum of one (1) inch. Nets must be installed in a proper manner at the discretion of the Technical Director.

#### **504 Engine Eligibility**

- A. Any engine combination is allowed. Only one (1) engine is allowed.
- B. Weight of vehicle including fuel, oil, water, and driver must weigh a minimum of seven and one-half (7½) pounds per cubic inch for two (2) wheel drive and eight and one-half (8½) pounds per cubic inch for four (4) wheel drive.
- C. Engine must be mounted forward of the centerline of the wheelbase of the vehicle.

#### **505 Transmissions**

- A. A bracket, no less than two (2) inches wide and one-fourth (¼) inch thick (steel or equivalent) shall be placed below all drive shafts and forward of the centerline. It shall be fastened to the floor or cross member of the pickup truck to prevent all drive shafts from dropping on the course. A three hundred and sixty (360) degree bracket is required.
- B. Transmission makes and type is open, providing the overall configuration and location of engine and drive components, as stated previously are not altered.

#### **506 Drive Axle**

- A. Solid rear axle housing, no independent rear ends allowed.

#### **507 Suspensions**

- A. Open

#### **508 Brakes And Hub Assemblies**

- A. No carbon fiber brakes. Otherwise – Open

#### **509 Wheels**

- A. The number of allowed wheels is restricted to two (2) front wheels and tires, and two (2) rear wheels and tires.
- B. Wheels may be reinforced.
- C. Maximum width is twelve (12) inches.

#### **510 Tires**

- A. All tires must be approved by the Technical Director and must be available to all competitors.
- B. Maximum tire tread is open.

#### **511 Fuel System**

- A. An approved CHCA fuel cell is mandatory. If using natural gas or propane, container must be CHCA and DOT approved.
- B. Alcohol, propane, natural gas, and/or gasoline only. No nitrogen-bearing additive allowed.

- C. Electric or mechanical pumps allowed.
- D. All fuel cells must have an approved vent system as well as a skid plate underneath the cell with a minimum of twenty (20) gauge metal.

### **512 Cooling System**

- A. Open

### **513 Electrical System**

- A. Batteries must be insulated in a safe manner. The battery must be in a leak-proof container or equipped with leak-proof caps, and enclosed in a nonconductive “marine-type” box. The hot terminal must be insulated on all pickup trucks. All batteries shall be securely attached to the primary structure of the vehicle.
  - 1. Gel cells are exempt
- B. The self-starter must be in operating order. All pickup trucks must start under their own power.
- C. The ignition switch, fuel shut off switch, and master switch shall be clearly labeled for the on/off positions, and shall be painted day-glow orange. When strapped in, the driver must be able to reach these switches.

### **514 Exhaust System**

- A. The exhaust pipes must exit horizontally outward beyond side panel, and must extend rearward behind the front of the driver’s seat. No exposed exhaust systems will be permitted within the driver’s compartment.

### **515 Roll Cage**

- A. All trucks must use a roll cage type construction.
- B. Basic Design Construction
  - 1. All roll cages must be constructed with at least one (1) front hoop, one (1) rear hoop, two (2) interconnecting top bars, two (2) rear down braces, one (1) diagonal brace, and necessary gussets.
  - 2. All vehicles must be equipped with sidebars, at least three (3) on drivers side that will protect driver from side and a minimum of two (2) on passenger side. If there is a co-driver there will be a minimum of three (3) bars required. These bars must be parallel with the ground (or as close as practical) and located vertically in relation to the occupant to provide maximum protection without causing undue difficulty in entering or exiting the vehicle. Unless otherwise specified, the sidebars must be formed from tubing of the same material and dimensions as the roll cage itself, and must securely attach to the cages front and rear members.

C. Material

1. The roll cage may be constructed of Mild Steel, 4130 Alloy Steel or Aluminum.
2. For the purpose of determining tubing sizes, the vehicle weight is wet, without driver. The minimum size of tubing shall be determined as follows:

<b>Truck Weight</b>	<b>Tubing Size</b>
Under 2000 lbs.	1 ½" x .090" (1.375 x .095)
2000 to 2999 lbs.	1 ½" x .120" (1.500 x .095)
3000 to 3999 lbs.	1 ¾" x .120" (1.625 x .095)
4000 lbs. and over	2" x .120" (1.750 x .095)

3. Aluminum roll cages must be of 6061 T6 minimum and meet specifications Section 13.2 in entirety.
4. Where bolts and nuts or other fasteners are used, the bolts shall be at least three-eighths (3/8) inch SAE grade five (5) or equivalent quality.

D. Fabrication

1. One continuous length of tubing must be used for the main hop member with smooth continuous bends and no evidence of crimping or wall failure.
2. The Technical Director must approve all welding.
3. The roll cage will be constructed in such a manner as to allow a three (3) inch clearance between any roll cage bar and the driver's or passenger's helmet when they are seated in the normal driving position.
4. Gussets must be installed at all welded intersections on the main cage, including diagonal and rear down braces, and where single weld fractures can affect driver's safety. Gussets may be constructed of 1/8" x 3" x 3" flat plate, split, formed, and welded cone tubing, or tubing gussets the same thickness as the main cage material. Rear down braces and diagonal braces must angle no less than thirty (30) degrees from vertical.
5. An inspection hole of 3/16" diameter must be drilled in a non-critical area of the roll bar hoop to facilitate verification of wall thickness. It is the prerogative of the Technical Director to drill a second hole if deemed necessary.
6. A headrest support of at least six (6) inches high and six (6) inches wide firmly secured to the roll cage and/or seat, padded with resilient material of at least two (2) inches thick, must be placed behind the driver's head. All roll cage components in the close proximity of the driver's head must be padded with "ensolite" or equivalent material with a minimum thickness of one-half (½) inch.

## **516 Seat System**

- A. Refer to Section 13.11

## **517 Seat Belt And Shoulder Harnesses-** Refer to Section 13.3

## **518 Driver's Uniforms**

- A. No outerwear will be worn over the fire suits while the driver is operating the race vehicle.
- B. Approved fire resistant driving gloves and shoes are required.
- C. It is mandatory for the driver and passenger to wear his/her helmet while operating the race vehicle.

## **519 Helmets**

- A. Refer to Section 13.17

## **520 Fire Equipment**

- A. An onboard fire system of at least five (5) pounds is required. A remote actuated fire system is recommended.

## **521 Competition Numbers And Names**

- A. CHCA or its designee assigns all truck numbers.
- B. The assigned numbers shall be displayed on both sides of the pickup truck and roof in readable numerals at least twelve (12) inches high.
- C. Slogans, designs, or advertising on the trucks must be appropriate and acceptable to the Technical Director.

## **522 Magnetic Particle Inspection (Magnaflux – Zyglowed)**

- A. Particle inspection as a safety requirement will be recommended on all trucks.
- B. The following parts will be recommended to be Magnafluxed/Zyglowed:
  1. Steering Shaft
  2. Idler Arm Bracket
  3. Pitman arm
  4. Steering Arm to Idler Arm Rod
  5. Spindle Connecting Rods
  6. Spindle Connecting Rod Sleeves
  7. Upper and Lower Ball Joints
  8. Sector Shaft
  9. Idler Arm
  10. Front Spindle Arms
  11. Tie Rod Ends

12. Front Hubs

13. Front Spindles

**523 Competition Truck Class Payoff**

- A. Entry fees will be \$175.00 per event.
- B. Must take checkered flag for payoff. The entire field will be paid unless there are more than nine (9) vehicles taking the green flag - then only the top half will be paid.

## **600 SUPER STOCK TRUCK CLASS CONSTRUCTION RULES**

### **600 General**

All competitors are bound to comply with the General Rules and the General Car/Truck Construction Rules as set forth in this rulebook. Specific rules for the Super Stock Truck Class are as follows:

### **601 Truck Construction**

- A. Trucks will be two (2) wheel drive and/or four (4) wheel drive.

### **602 Truck Eligibility**

- A. Sanctioned truck events are limited to manufactured trucks, no utility or sport vehicles.
- B. Turbocharged/supercharged engines may not be used. Injection of any kind is not permitted in any shape or form.

### **603 Design And Construction**

- A. Original dimensions of all bodies must remain as manufactured, except for modifications for tire clearance. The outside edge of the tire tread at the top must be within two (2) inches of the fender well.
- B. Trucks must remain standard in appearance. Hood scoops are acceptable as long as they conform to the flow lines of the truck. Maximum elevation will be two (2) inches above the hood.
- C. Hoods must remain in original position and closed. All hoods must have positive fasteners.
- D. Any ballast weight added must be securely fastened inside the body (shell), but not in driver's compartment.
- E. All doors shall be fastened in an approved manner.
- F. A firewall, properly installed and secured, of no less than twenty (20) gauge steel or equivalent, shall separate the fuel tank and the driver's compartment.
- G. All trucks must retain the stock frame. Frames may be reinforced or lightened, but no outside dimensions can be altered. All trucks must retain the stock frame rails to include front and rear cross members.
- H. Complete stock steel cabs. Composite or fiberglass panels, hoods, and doors are allowed.
- I. The Technical Committee must approve camera mounting.
- J. Aerodynamic wings prohibited.

- K. All Super Stock Trucks must use safety nets. Netting will be attached to the roll cage of the vehicle by either two (2) seat belt style clasps, or with a solid steel rod of a minimum 3/8-inch diameter with a protrusion at the rear of a minimum of one (1) inch. Nets must be installed in a proper manner at the discretion of the Technical Director.

#### **604 Engines**

- A. OEM (Original Equipment Manufactured) cast iron blocks only.
- B. OEM cast iron heads only.
- C. Cast iron or aluminum intakes are permitted.
- D. Headers of any type are permitted.
- E. Stock type distributors only. No Magnetos.
- F. No roller cams or mushroom lifters.
- G. No dry sump oil systems.
- H. Engine oil coolers are permitted. Installation must be approved by the CHCA.
- I. Engine set back must not exceed twelve (12) inches, measuring from the front spark plug to the centerline of the front axle or ball joint.

#### **605 Weight**

- A. Weight of the truck including fuel, oil, water and the driver must weigh a minimum of seven and one half (7½) pounds per cubic inch for two (2) wheel drive and eight and one half (8 ½) pounds per cubic inch for four (4) wheel drive.

#### **606 Pickup Truck Sizes**

- A. The wheelbase shall be within one (1) inch of the manufactured dimension.

#### **607 Transmission**

- A. A bracket, no less than two (2) inches wide and one-fourth (¼) inch thick steel, shall be placed around the drive shaft, forward of its centerline. It shall be fastened to the floor or cross member of the truck to prevent the drive shaft from falling to the ground or entering the inside of the truck. A three hundred sixty (360) degree bracket is required.
- B. Transmission must be an OEM.

#### **608 Drive Axle**

- A. Solid rear axle housing, no independent rear suspension allowed. No quick-change axles are allowed.

#### **609 Suspensions (Front And Rear)**

- A. Stock suspension and chassis only, except for reinforcing.
- B. Heavy-duty suspension parts are permitted. No type of racing or lightweight suspension parts is permitted.

- C. Suspension must mount in stock location.
- D. No weight jacks or wedges bolts allowed.
- E. Stock-type sway bars only, may be heavy duty.
- F. Suspension must remain same type for truck claimed: Coil to coil, leaf to leaf, strut to strut, etc.
- G. Shocks will be mounted in the stock location.
- H. Heavy-duty shocks may be used if they are similar to original equipment.

#### **610 Brakes & Hub Assemblies**

- A. No type of racing or lightweight calipers, rotors, or spindles is permitted.
- B. No carbon fiber brakes.

#### **611 Wheels**

- A. The number of allowed wheels is restricted to two (2) front wheels and tires, and two (2) rear wheels and tires.

#### **612 Tires**

- A. Tires must be Department of Transportation (DOT) approved and must be currently available for purchase through retail or specialty outlets, which normally carry that type of tire made by that manufacturer. The Technical Director must approve all tires. No recaps.

#### **613 Fuel System**

- A. An approved CHCA fuel cell is mandatory. Twenty-two (22) gallons, maximum.
- B. Electrical or mechanical pumps allowed.
- C. All fuel cells must have an approved vent system as well as a skid plate underneath the cell with a minimum of twenty (20) gauge metal.
- D. One (1) carburetor only allowed.

#### **614 Cooling System**

- A. Open.

#### **615 Electrical System**

- A. The self-starter must be in operating order. All trucks must start under their own power.
- B. The ignition switch, fuel shut off switch and master switch shall be clearly labeled for the on/off positions, and shall be painted day-glow orange. When strapped in, the driver must be able to reach these switches. Master kill switches must be located as close to the center of the truck and be dash height.

## 616 Exhaust System

- A. The exhaust pipes must exit horizontally outward beyond side panel, and must extend rearward behind the front of the driver's seat. No exposed exhaust systems will be permitted within the driver's compartment.

## 617 Roll Cage

- A. All trucks must use a roll cage type construction.

- B. Basic Design Construction

- 1. All roll cages must be constructed with at least one (1) front hoop, one (1) rear hoop, two (2) interconnecting top bars, two (2) rear down brackets, and one (1) diagonal brace and necessary gussets. All trucks must be equipped with sidebars, at least three (3) on driver's side and at least two (2) on the passenger's side. (If equipped a co-driver there must be three (3) bars on each side). These bars must be parallel with the ground (or as close to parallel as is practical), and located vertically in relation to the occupant to provide maximum protection without causing undue difficulty in entering or exiting the truck. Unless otherwise specified, the side bars must be formed from tubing of the same material and dimensions as the roll cage itself, and must be securely attached to the cage's front and rear members.

- C. Material

- 1. The roll cages may be constructed of Mild Steel, 4130 Alloy Steel or Aluminum.
- 2. For the purpose of determining tubing sizes, the vehicle weight is wet, without driver. The minimum size of tubing shall be determined as follows:

<b>Truck Weight</b>	<b>Tubing Size</b>
Under 2000 lbs.	
2000 to 2999 lbs.	See
3000 to 3999 lbs.	Section
4000 lbs. and over	13.22.2

- 3. Aluminum roll cages must be of 6061 T-6 minimum and meet Section 13.2 in entirety.
- 4. Where bolts and nuts or other fasteners are used, the bolts shall be at least three-eighths (3/8) inch SAE grade five (5) or equivalent quality.

- D. Fabrication

- 1. One continuous length of tubing must be used for the main hoop member with smooth continuous bends and no evidence of crimping or wall failure.
- 2. The Technical Director must approve all welding.

- E. The roll cage will be constructed in such a manner as to allow a three (3) inch clearance between any roll cage bar and the driver's or passenger's helmet when they are seated in the normal driving position.
- F. Gussets must be installed at all welded intersections on the main cage, including diagonal and rear down braces, and where single weld fractures can affect driver's safety. Gussets may be constructed on 1/8" x 3" x 3" flat plate, split, formed, and welded corner tubing, or tubing gussets the same thickness as the main cage material. Rear down braces and diagonal braces must angle no less than thirty (30) degrees from vertical.
- G. An inspection hole of 3/16 inch diameter must be drilled in a non critical area of the roll bar hoop to facilitate verification of wall thickness. It is the prerogative of the Technical Director to drill a second hole if deemed necessary.
- H. A headrest support of at least six (6) inches high and six (6) inches wide firmly secured to the roll cage and/or seat, padded with resilient material of at least two (2) inches thick, must be placed behind the driver's head. All roll cage components in close proximity to the driver's head must be padded with "ensolite" or equivalent material with a minimum thickness of one-half (½) inch.

#### **618 Fuel And Lubrications**

- A. Fuel is restricted to gasoline or race gas only.
- B. Any nitrogen bearing additives or materials prohibited.
- C. Any engine oil, transmission, or rear axle lubricant may be used.

#### **619 Driver's Uniforms**

- A. No outerwear will be worn over the fire suits while the driver is operating the race vehicle.
- B. Approved fire resistant driving gloves and shoes are required.
- C. It is mandatory for the driver and passenger to wear his/her helmet while operating the race vehicle.

#### **620 Fire Equipment**

- A. An onboard fire system is recommended. Each truck must have at least a five (5) pound extinguisher on board, and also a **ten (10)** pound or larger extinguisher in the pits.

#### **621 Competition Numbers And Names**

- A. CHCA or its designee assigns all truck numbers.
- B. The assigned numbers shall be displayed on both sides of the pickup truck and roof in readable numerals at least fifteen (15) inches high.
- C. Slogans, designs, or advertising on the trucks must be appropriate and acceptable to the Technical Director.

- D. Driver name will be displayed on both sides of the truck cab (either roof or doors) in a readable manner at least two (2) inches high.

**622 Magnetic Particle Inspection (Magnaflux - Zyglow)**

- A. Particle inspection as a safety requirement will be recommended on all trucks.
- B. The following parts will be recommended to be Magnafluxed- Zyglowed:
  - 1. Steering Shaft
  - 2. Idler Arm Bracket
  - 3. Pitman Arm
  - 4. Steering Arm to Idler Arm Rod
  - 5. Spindle Connecting Rods
  - 6. Spindle Connecting Rod Sleeves
  - 7. Upper and Lower Ball Joints
  - 8. Sector Shaft
  - 9. Idler Arm
  - 10. Front Spindle Arms
  - 11. Tie Rod Ends
  - 12. Front Hubs
  - 13. Front Spindles

**623 Super Stock Truck Class Payoff**

- A. Determination of payoff will be voted on by eligible Super Stock Truck owners only.
- B. Entry fees will be \$175.00 per event.
- C. Class Payoff will be as follows:
  - 1. Must take checkered flag for payoff.
  - 2. If there are ten (10) entries or less at an event, the whole class will be paid.
  - 3. If there are eleven (11) entries or more at an event, then the top ½ of the class will be paid.

## **700 CHAMPIONSHIP CLASS CONSTRUCTION RULES (FRONT ENGINE CARS ONLY)**

### **700 Eligible Models**

- A. This division is open to open wheel, open cockpit, single seat racecars of front engine design. No rear engine or mid engine cars permitted.
- B. The minimum wheelbase shall be eighty (80) inches.
- C. No four-wheel drive or four wheel steering cars permitted.
- D. Driver must sit behind engine and in front of rear axle.
- E. A provision will be made to allow IMCA modified type cars to run in the Championship Class.
- F. All Championship Cars must have the same appearance as the other cars in the Championship Class. No vehicle will be permitted in the Championship Class if attempting to change from another division to the Championship Class by removing body panels, without unanimous approval of all current registered car owners in the Championship Class.
- G. No computerized fuel injection systems. No computer controlled advance in ignition systems. No computerized traction control systems. No computerized transmissions. No aluminum engine blocks. No two (2) cycle engines.

### **701 Engine Size Limits**

- A. Any engine not covered by the following specifications must be submitted to and approved by the majority of the current year's owners in the Championship Class prior to entering /competing.
- B. All weights to include driver and the fuel in the fuel cell at the end of the competition run.
- C. Non-supercharged four-cycle overhead camshaft engines will be limited to a maximum piston displacement of 270 cubic inches.
- D. Supercharged four-cycle overhead camshaft engines will be limited to a maximum piston displacement of 161 cubic inches.
- E. Supercharged four-cycle engines (camshaft in block) will be limited to a maximum piston displacement of 183 cubic inches. (3000 cc).
- F. All cars will be limited to 4.5 pounds per cubic inch.

### **702 Prize Money**

- A. Eligible car owners only will vote on determination of payoff and prize money. This will be done before each event. (Example: with seven entries, a vote will determine whether to pay the top three finishers or all seven positions, etc.)

B. Must take checkered flag for payoff.

### **703 Weighing**

- A. CHCA weighing procedures will be enforced, as well as each entrant may have one representative from his crew present at the weighing of any car.
- B. Weighing and/or pumping of engines may be waived if every entrant wishes to do so.

### **704 Airfoils**

- A. Wing angles or pitch may not be changed by the driver while seated in the cockpit.
- B. Wings may not extend past the outside of the tires.

### **705 Tires And Wheels**

- A. No studded tires are allowed.
- B. No tire chains are allowed.
- C. Four tires only, no duals.

### **706 Fuel Cells**

- A. Fuel cells are mandatory.

### **707 Body Construction**

- A. Cars will be required to run bodies with as much coverage as practical.

### **708 Competition Numbers**

- A. Competition numbers on the vehicles must be at least twelve (12) inches in height and will be located on both sides. The nose section number must be at least five (5) inches in height.

### **709 Roll Bars**

- A. Four post cages are required.
  - 1. All roll cages shall incorporate a front hoop or crossbar that extends above the driver's helmet while seated in a normal driving position. Said hoop or crossbar shall be well forward of the driver's helmet so that contact cannot be made between bar and helmet with driver strapped in seat. All roll cages must be a minimum of six (6) inches in front of driver's helmet when seated in driving position.
  - 2. The rear hoop shall extend a minimum of four (4) inches above the driver's helmet while the driver is strapped in seat.
- B. Roll bars must be a minimum of 1 3/8 inch outside diameter if constructed of 4130 steel tubing with .090 wall thickness, or it's equivalent.
- C. Roll bars will be mounted to the frame of the vehicle in one of the following ways:

1. Roll bars welded directly to the frame.
  2. Roll bars welded to a steel plate that has a minimum of 1/4 inch thickness, with the plate welded or bolted to the frame.
  3. Tubing identical to the roll bar material, but with an outside diameter of the same inside diameter of the roll bars may be welded to a steel plate securely fastened to the frame. The roll bars will be placed over the smaller tubing and secured by no less than two (2) 3/8<sup>th</sup>-inch aircraft bolts that pass through the roll bar and tubing horizontally.
- D. The four top corners of the roll bar will be properly gusseted.
- E. A padded headrest is mandatory.

#### **710 Throttles**

- A. The design and construction of the throttle shall insure to the maximum extent possible that a locked wide-open throttle condition shall not occur. Manual throttle return and acceleration pedal safety toe straps or center pivot pedal will be required. Throttle designs must pass Technical inspection by the CHCA.

#### **711 Shutoff Valve**

- A. A fuel shut-off valve with a quarter turn or push-pull operation is required and must be within easy reach of the driver while securely fastened in his/her safety harness.

#### **712 Steering**

- A. Steering wheel must permit free movement of the front wheels and be equipped with turning radius stops.
- B. Pitman arms shall be set to eliminate reverse steering.
- C. Racing type steering wheel will be required and approved by the CHCA.

#### **713 Revolving Parts**

- A. All open drive shafts must be equipped with a two (2) inch wide by 1/8 inch thick, or equivalent, 360 degree steel hoop to contain the drive shaft so it will not fall to the ground.
- B. All vehicles must be equipped with approved safety hubs.

#### **714 Firewalls**

- A. An effective metal firewall of minimum twenty (20) gauge thickness must be installed between the engine compartment and the cockpit, and between the fuel cell and the cockpit.

#### **715 Floorboards**

- A. A metal floorboard or metal underpan must be installed.
- B. Ground clearance must be sufficient to provide for a flat tire.

## 716 Transmissions

- A. Any type transmission may be used except no computerized transmissions but must incorporate a declutching device such as a neutral lockout.
- B. Any open drive shafts or drive chains must be protected with a suitable guard.

## 717 Chassis Safety

- A. **Brakes:** Each vehicle must be equipped with a braking system that will operate the brakes efficiently and sufficiently on all four wheels. It is mandatory that all cars have dual master cylinders.
- B. **Carburetor:** Fuel lines and linkage must be sufficiently supported or reinforced.
- C. **Fire Extinguisher:** An operational fire extinguisher (s) with a total minimum of five (5) pounds shall be mounted in or on each race vehicle and shall be located within easy reach of the driver while he/she is securely fastened in his/her safety harness.
- D. **Arm Restraints and/or Safety Nets:** Arm restraints are mandatory. All drivers in the Championship Division will wear arm restraints. Window nets or safety nets are optional.

## 718 Starters

- A. All open wheeled cars must be equipped with a mounted starting system capable of starting with on-board or auxiliary battery power.
- B. All open wheeled cars shall furnish their own battery starting system at all events.

## 719 Seats

- A. **Refer to Section 13.11**

## 720 Magnetic Particle Inspection

- A. The following parts are recommended to be Magnafluxed:
  1. Steering Shaft
  2. Idler Arm Bracket
  3. Pitman Arm
  4. Steering Arm to Idler Arm Rod
  5. Spindle Connecting Rods
  6. Spindle Connecting Rod Sleeves
  7. Upper and Lower Ball Joints
  8. Sector Shaft
  9. Idler Arm
  10. Front Spindle Arms
  11. Tie Rod Ends
  12. Front Hubs
  13. Front Spindles

**721 Entry Fees**

- A. Entry fee for the Championship Class is \$175.00.

## **800 QUAD (ATV) CLASS CONSTRUCTION RULES**

### **800 General**

- A. The CHCA Rules are the guidelines for the Quad Class. The Quad class will run under AMA rules if rules are not covered in the CHCA Quad Class Rules.

### **801 Quad (ATV) Eligibility**

- A. All terrain vehicles (ATV's).

### **802 Design And Construction**

- A. Kill devices
  - 1. All ATV's must be equipped with a functional tether type Mechanical kill device, ignition cut off, or button attached to ATV and the Rider. This is so the ignition is cut off at any time when the Rider becomes separated from the ATV.
- B. The addition of air foils, wings, or other devices intended solely for the purpose of streamlining is prohibited.
- C. Side Bars (NERF bars)
  - 1. Sidebars (nerf bars) are required.
  - 2. They must be of closed loop design.
  - 3. They cannot extend beyond a point of widest dimension of the ATV when measured with a straight edge touching the front and rear tires.
  - 4. The bars should be covered with a material so as to prevent the rider's feet from going below the bars. Webbing or plastic mesh are acceptable material.
  - 5. No sharp protruding or open ends are allowed.
- D. Exhaust systems
  - 1. Must be securely attached together and to the frame. (i.e.: Silencer must be attached to pipe).
  - 2. Must remain in board of the rider's legs when sitting on the ATV.
- E. Wheelbase
  - 1. Maximum overall outside tire width for all four wheels is fifty (50) inches.
- F. Throttle
  - 1. Self-closing throttle.
- G. Rear fenders are required on all quads, trimming is allowed only with approval of the Quad class representative or designee.

### **803 Engines**

- A. ATV manufacturer crankcase and cylinder(s) must be used, or a single cylinder, 4-stroke motorcycle engine available to the general public.
- B. Two (2) stroke engines, 0-500 cc with 0 to 80 thousands maximum overbore per cylinder. After market cylinders for 2 and 4 stroke engines are allowed.
- C. Four (4) stroke engines, 0-700 cc single cylinder with 0 to 80 thousands maximum overbore. Kawasaki 700 ATV is allowed. After market cylinders for 2 and 4 stroke engines are allowed.
- D. No fuel injection allowed unless O.E.M. equipped with specific motor.

### **804 Wheels And Tires**

- A. The tread pattern of the tires may be re-grooved, or cut provided they are done in a safe and workman like manner.
- B. No rubber or metal studs or foreign material may be added to the tire tread.

### **805 Suspension**

- A. Open.

### **806 Brakes**

- A. Shall have functional front and rear brakes.
- B. Must have all brakes as originally manufactured or better.

### **807 Fuel**

- A. Pump gasoline or Race gasoline only. Two strokes can have premixed fuel.
- B. No Alcohol/Methanol allowed.
- C. No nitrogen bearing additives or material permitted.

### **808 Safety Gear**

- A. Helmets
  - 1. All riders will wear a helmet that meets or exceeds 2005 Snell Foundation specifications and are labeled as such.
  - 2. Must have riders name clearly labeled on them.
  - 3. Upgrades on helmets will follow General Rules on helmets.
- B. Uniforms – proper attire includes:
  - 1. Motocross Gear
    - a. Motocross Boots
    - b. Race Pants
    - c. Long Sleeve Shirts
    - d. Gloves

- e. Goggles or Full Face Helmet with Shield
  - f. Chest Protectors
2. Leathers
    - a. Motocross Boots
    - b. Gloves
    - c. Goggles or Full Face Helmet with Shield
  3. All rider apparel and equipment must be in neat and clean order.

### **809 Competition Numbers**

- A. Number plates must be a minimum of 7 x 10, maximum of 10 x 12, mounted to front and back of ATV in a reasonable vertical position.
  1. White number plates with black numbers, front and rear of Quad. No exceptions. Side plates optional.
  2. Must be secured in a workman like manner.
  3. Must be a minimum of six (6) inch block numbers. No shading.
  4. All numbers must correspond.
  5. No metal or wood plates allowed.
  6. No perforated number plates.
  7. No number plates beginning with "0" plus a number (i.e. 02, 03 etc).
- B. No number plates in grill.

### **809 Handlebars**

- A. Must be made of aluminum, steel, titanium, or another metal approved by AMA. Repaired, cracked, or broken handlebars are prohibited.
- B. Handlebar mounts can be altered to adjust to rider.

### **810 Meetings**

- A. A rider meeting will be held following the Drivers meeting at each event both days, at the discretion of the Quad Rep.'s.

### **811 Right To Protest**

- A. The right to protest lies only with the rider and/or owner.
- B. See General Rules section.
- C. If engine tear down is involved in the protest, a protest fee of \$150.00 is required.

### **812 Entry Fees**

- A. Quad entry fee will be \$175.00.

### **813 Quad Division Payoff**

- A. Must take checkered flag for payoff.
- B. The Pro Quad Division will pay the top seventy percent (70%) of the field.

**814 Line Up And Starts**

- A. Class representative or designee may determine line up for practice/qualifying day.
- B. Starting point will be determined by start line official.
- C. No rolling starts allowed. All Quads will start from a dead stop.
- D. Race Day order will be from slowest to fastest according to qualifying times.
- E. Fast qualifier may choose to run first or last in their division on Race Day (Sunday).

**815 Fire Extinguishers**

- A. Every entrant must have in his/her possession in the pit area a fully charged fire extinguisher of five (5) pound capacity.

## **900 RALLY CLASS CONSTRUCTION RULES**

### **900 General**

- A. Driver and co-driver must be competition licensed members of the CHCA.
- B. Additionally, the driver must purchase a CHCA competition number.
- C. Rally teams will request number assignment from the Rally Car Division Representative.

### **901 Vehicle Technical And Safety Requirements**

- A. All rally cars competing in CHCA events will conform to the car construction requirements of the Rally America Rulebook or NASA Rally Sport Rulebook for 2005 or newer with the addition of the CHCA rules for arm restraints or window nets, fireproof gloves and taping of all glass per rule Glass on Vehicle in the General Car/Truck Construction Rules. Competitors will maintain and present a copy of the rulebook which controls the construction of their vehicle at annual tech or when requested by an event tech inspector. Any new construction must be built to the 2007 version of the rulebooks.
- B. All rally cars will undergo an annual technical inspection prior to their first competitive CHCA event at a time and location to be announced by the Division Representative. Rally America rally cars will have their annual and subsequent event inspections with any damage requiring repair and re-inspection recorded in a supplement to the Rally America Vehicle logbook. Non Rally America rally cars will record these inspections in a logbook provided by the Division Representative.
- C. Rally cars are not required to run restrictor plates at CHCA events.
- D. Rally cars must be equipped with arm restraints or window nets for both driver and co-driver.
- E. Both driver and co-driver must wear nomex gloves and nomex or leather boots during qualification and competition.
- F. In addition to those helmets permitted in section 16 of the General Rules, the following helmets are FIA approved and acceptable for use by rally division competitors: SFI spec 31.1 or spec 32.2 and British Standards BS6658-85 type A/FR including all amendments.
- G. Fuel cells are highly recommended for all rally cars.
- H. Rally cars may remove muffler and catalytic converter.
- I. Aftermarket body panels, front and rear fascias and wings are permitted; make and model must remain recognizable.

Aftermarket, non-OEM vertical planes/fins added to a competition vehicle may not exceed 432 square inches. Vertical side plates that come standard with any publicly available and aftermarket rear spoiler does not count towards the 432 square inch limit unless it is secured by any other part of the vehicle other than the rear spoiler.

## **902 Event Operations**

- A. A minimum of five cars is required to form the Rally Car Division.
- B. Rally cars must carry a driver and a co-driver in competition.
- C. Registered and insured rally cars may be operated on public roads and streets, but may not be operated on the CHCA hill climb routes at anytime during the year except in the event qualification and competition. Rally cars not registered and insured may not be operated on public roads except as authorized by the CHCA for access between the hill and pit area. Unregistered rally cars must be titled and in all other respects eligible for Rally America competition.
- D. Recce is permitted and encouraged in vehicles other than the competition vehicle. Recce will be conducted at or below the posted speed limit. Competitors are reminded that the Colorado un-posted mountain speed limit is 25 MPH.
- E. Receiving a moving violation in a competition vehicle during a race weekend will result in disqualification for that event and forfeiture of the entry fee.
- F. Rally cars will stage slowest to fastest 2WD the AWD on race day. The fast qualifier for both 2WD and AWD will have the decision to run first or last within their respective group.

## **903 Trophies And Payout**

- A. For the purpose of awarding trophies, the Rally Car division will be subdivided into All Wheel Drive (AWD) and Two Wheel Drive (2WD) groups with trophies presented to the top three in each (AWD & 2WD) as well as Fast Qualifier for each.
- B. End of the year awards will comply with the other CHCA Divisions to be decided by the Board and the Banquet Committee.
- C. Rally car class payout to be distributed between 2WD and AWD based upon number of entrants. E.g. 4 – 2WD, 6 – AWD, means 4/10 of rally pay to 2WD, 6/10 AWD.

Each class in rally will have their payout divided as follows:

1<sup>st</sup> place = 20%

2<sup>nd</sup> place = 15%

3<sup>rd</sup> place = 10%

The remaining 55% will be evenly distributed to all teams (including 1-3).

D. Must take checkered flag for payoff.

## **1000 JUNIOR CLASS CONSTRUCTION RULES**

### **1000 Eligible Drivers**

- A. Drivers will be between the ages of 14 and 17.
- B. Drivers who turn 18 after the beginning of the season will be allowed to finish the season in the Junior Class (Must be 17 at the first event).
- C. For Insurance Purposes, notarized signatures of both parents/legal guardians are required on consent forms for the driver to be eligible to compete in any CHCA event .
- D. All competitors in the Junior Class will be required to attend a Rookie Orientation/Driving Class. Here, the Junior Class Committee for proficiency on rules and driving ability will evaluate the driver. Only after completing this class will the driver be allowed to compete in a CHCA event.

### **1001 Car Eligibility**

- A. This class is open to all normally aspirated two-wheel drive cars.

### **1002 Engine Size/Limits**

- A. Any engine not covered by the following specifications must be submitted to and approved by the Junior Class Committee prior to entering competition.
- B. All one and two cylinder overhead cam four (4) stroke engines and single cylinder two (2) stroke engines shall weigh 1.5 lbs. /cc with an 800 lb. minimum weight.
- C. All four (4) cylinder overhead cam engines shall weigh 1.5 lbs. /cc with a maximum limit of 650 cc and shall weigh a minimum of 1000 lbs.
- D. Push rod operated valve engines shall not be over 1600 cc with a minimum weight of 1100 lbs. The only exception is a VW type 4 engine with stock heads shall be allowed 1700 cc.
- E. No electronic controlled induction system will be allowed in this class.
- F. All weights to include the driver and the fuel in the cell at the end of the competition run.

### **1003 Construction Rules**

- A. Car Construction must comply with the Open Competition Construction Rules and Section 3.10 of the General Rules.
- B. Window nets or arm restraints will be mandatory at all racing events.
- C. A car without an overhead wing will have an overpan made of a minimum .090 thickness metal.

- D. Wings shall be a minimum of 3 square feet area. Wing mounts must be approved by Junior Committee.
- E. Wings shall be governed by Rule 405 of the Super Sprint Class rules.

#### **1004 Engine Claim Rule**

- A. The engine/transmission can only be claimed by the owner or driver of a junior car, which took a green flag on race day.
- B. The price of the transmission and engine shall be \$1,000.00. This includes the complete transmission, clutch, flywheel, and engine, less the induction system and exhaust system.
- C. Refusal to sell engine and transmission will result in loss of Trophies and points for the entire event, and the competitor will not be allowed to compete in the next two (2) events.

#### **1005 Entry Fees**

- A. Entry fees for the Junior Class will be \$75.00 per event.

#### **1006 Prizes**

- A. Prizes for the Junior Class will be trophies only.
- B. Must take checkered flag for payoff.

#### **1007 Junior Class Committee**

- A. The Junior Class shall be governed by a Board appointed Committee, to make, implement, or change the rules of this class at any time in the interest of close competition or for safety reasons.
- B. Current Junior Class Committee members: *(subject to change)*

Jim Keeney

Rodney O'Maley

Norm King

## **1100 ULTRA 4 CLASS CONSTRUCTION RULES**

### **1100 General**

All competitors are bound to comply with the General Rules and the General car/ truck construction rules as set forth in this rule book. Specific rules for the Rock Racer class are as follows:

### **1101 Racer Construction**

- A. Racers will be of rock race or rock crawl construction.

### **1102 Racer Eligibility**

- A. Sanctioned racer events are limited to racers that meet or exceed CHCA rules and regulations for this class.

### **1103 Design And Construction**

- A. Racers must be of rock racer or rock crawler specific design and construction.
- B. Hoods must be in place and have positive fasteners.
- C. A fire wall, properly installed and secured of no less than 20 gauge steel or equivalent shall separate the engine and the driver's compartment.
- D. Aerodynamic wings are prohibited.
- E. All racers must use safety nets. Safety nets will be attached to the roll cage of the vehicle by either two (2) seat belt style clasps, or with a solid rod of a minimum of 3/8 inch diameter with a protrusion at the rear of a minimum of one inch. No zip tie or Velcro attachments are allowed. Nets must be installed in a proper manner at the discretion of the technical director.

### **1104 Engine Eligibility**

- A. Open.

### **1105 Racer Weight**

- A. Minimum weight for all racers, to include fuel, water, oil, driver and co-driver must weigh a minimum of 8.5 lbs per cubic inch of engine displacement.
- B. Width and wheel base and minimum weight will be displayed in a minimum of one inch letters on the left front bumper of each Rock Racer vehicle.

### **1106 Wheel Base**

- A. Open.

### **1107 Transmission**

- A. A bracket no less than two (2) inches wide and one-fourth (1/4) inch thick steel, shall be placed around the drive shaft, forward of its centerline on the rear shaft, and rear of its centerline on the front shaft. It shall be fastened to the chassis to prevent the drive shaft from falling to the ground or entering the inside of the racer in the event of driveline failure. A three hundred sixty (360) degree bracket is required.

### **1108 Drive Axels**

- B. Solid rear axles are required.
- C. Independent front axles may be used if of rock racer construction.
- D. Front and rear positive locking differentials are required. No limited slips allowed.
- E. Front and rear axles are required to be operational.
- F. No quick change axles are allowed.

### **1109 Suspension**

- A. Open.

### **1110 Brakes**

- A. No carbon fiber rotors allowed.
- B. Dual master cylinders are required.

### **1111 Wheels**

- A. The number of wheels is restricted to two (2) front and two (2) rear wheels. No duals allowed.

### **1112 Tires**

- A. No recaps allowed.
- B. The Technical Director must approve all tires.

### **1113 Fuel and Fuel System**

- A. Fuel is limited to Gas, race gas, or Propane.
- B. No Nitrous is allowed.
- C. A CHCA approved fuel cell is mandatory.
- D. All cells are required to have a roll over valve on the vent.

### **1114 Cooling System**

- A. Open.

### **1115 Electrical System**

- A. The self starter must be in operating order. All racers must start under their own power.

- B. The ignition switch, fuel shut off switch and the master switch must be clearly labeled for the on/ off positions. When strapped in the driver must be able to reach all switches. Master kill switches must be located as close to the center of the racer as possible and be dash height.
- C. The master kill switch must kill the ignition, charging, and fuel systems. It is not required to kill power to the ECU for fuel injected racers.

**1116 Exhaust System**

- A. The exhaust system must extend rearward behind the front of the drivers seat. No exposed exhaust systems will be permitted within the driver’s compartment.

**1117 Roll Cage**

- A. All racers must use a roll cage type construction.
- B. Basic Design Construction
  - 1. All roll cages must be constructed with at least one (1) front hoop, one (1) rear hoop, two (2) interconnecting top bars, two (2) rear down brackets, and one (1) diagonal brace and necessary gussets. All trucks must be equipped with sidebars, at least three (3) on driver’s side and at least two (2) on the passenger’s side. (If truck is equipped for a driver and a co-driver there must be three (3) bars on each side). These bars must be parallel with the ground (or as close to parallel as is practical), and located vertically in relation to the occupant to provide maximum protection without causing undue difficulty in entering or exiting the truck. Unless otherwise specified, the side bars must be formed from tubing of the same material and dimensions as the roll cage itself, and must be securely attached to the cage’s front and rear members.
- C. Material
  - 1. Roll cage must be constructed of SAE 4130 steel tubing or equivalent material.
  - 2. For the purpose of determining tubing sizes, the vehicle weight is wet, without driver. The minimum size of tubing shall be determined as follows:

<b>Racer Weight</b>	<b>Tubing Size</b>
Under 2000 lbs.	1½" x .090" (1.375 x .095)
2000 to 2999 lbs.	1½" x .120" (1.5 x .095)
3000 to 3999 lbs.	1¾" x .120" (1.625 x .095) (1 1/2" x .134)
4000 lbs. and over	2" x 120" (1.750 x .095)

- 3. No aluminum chassis allowed.
- 4. Where bolts and nuts or other fasteners are used, the bolts shall be at least three-eighths (3/8)inch SAE grade five (5) or equivalent quality.

#### D. Fabrication

1. One continuous length of tubing must be used for the main hoop member with smooth continuous bends and no evidence of crimping or wall failure.

2. The Technical Director must approve all welding.

E. The roll cage will be constructed in such a manner as to allow a two (2) inch clearance between any roll cage bar and the driver's or passenger's helmet when they are seated in the normal driving position.

F. Gussets must be installed at all welded intersections on the main cage, including diagonal and rear down braces, and where single weld fractures can affect driver's safety. Gussets may be constructed on 1/8" x 3" x 3" flat plate, split, formed, and welded corner tubing, or tubing gussets the same thickness as the main cage material. Rear down braces and diagonal braces must angle no less than thirty (30) degrees from vertical.

G. An inspection hole of 3/16 inch diameter must be drilled in a non critical area of the roll bar hoop to facilitate verification of wall thickness. It is the prerogative of the Technical Director to drill a second hole if deemed necessary.

H. If the driver/co-driver seat does not extend above the horizontal center line of the helmet then a headrest support of at least six (6) inches high and six (6) inches wide firmly secured to the roll cage and/or seat, padded with resilient material of at least two (2) inches thick, must be placed behind the driver's head. All roll cage components in close proximity to the driver's head must be padded with "ensulate" or equivalent material with a minimum thickness of one-half (½) inch

#### **1118 Steering**

A. Full hydro steering is required.

B. No rack and pinion or steering boxes are allowed.

#### **1119 Minimum Belly Height**

A. The minimum belly height measured from the skid plate to the ground is ten (10) inches.

#### **1120 Drivers Uniforms**

A. No outerwear will be worn over the fire suits while operating the racer.

B. Approved fire resistant driving gloves, shoes, and suit (one or two piece) are required.

#### **1121 Fire Equipment**

A. An onboard fire system is recommended. Each racer is required to have a minimum of one five pound or two - two and half(2.5) pound fire extinguishers on board and also the same 1 – 5 lb or 2 – 2.5 pound or larger fire extinguishers in the pits.

### **1122 Competition Numbers and Names**

- A. CHCA or its designee assigns all racer numbers. Numbers will be assigned on a first come, first serve basis, based upon time of registration. So if a specific number is desired, early registration is encouraged.
- B. The assigned numbers will be displayed on at least both sides of the racer in readable numerals at least (6) inches high.
- C. Drivers name will be displayed on the racer in a readable manner at least two (2) inches high.
- D. Slogans, designs, or advertising on racers, must be appropriate and acceptable to the Technical Director.

### **1123 Rock Racer Class Payoff**

- A. Determination of payoff will be voted on by eligible Rock Racer owners only.
- B. Entry fees will be \$175.00 per event.
- C. Class payoff will be as follows:
  - 1. If there are ten (10) entries or less at an event, the whole class taking the checkered flag on Race Day will be paid.
  - 2. If there are eleven (11) or more entries at an event, then the top ½ of the class taking the checkered flag on Race Day will be paid.

### **1124 Seats**

- A. Metal seats are not required. Suspension seats are allowed

**BY-LAWS** OF THE  
**COLORADO HILL CLIMB ASSOCIATION, INC.**

**ARTICLE I: NAME**

The name of the Corporation shall be the Colorado Hill Climb Association.

**ARTICLE II: PURPOSE**

The purpose of the organization shall be to promote and/or sanction or aid in the promotion or sanctioning of hill climb racing and/or other racing events for cars and other four-wheeled vehicles.

**ARTICLE III: FISCAL YEAR**

The fiscal year of this organization shall be from January 1 through December 31.

**ARTICLE IV: GOVERNANCE/APPEAL/COSTS**

Section 1: The Association is a self-governing organization. All questions, issues, disputes shall be decided within the Association under these By-Laws and following its regular procedure.

Section 2: The rules shall provide for any member to appeal any penalty or decision to the Board of Directors.

Section 3: Further, any question, issue, or dispute not covered by the rules (if covered by the rules it shall first be processed under the rules) shall be considered and decided by the Board of Directors.

Section 4: The decision by the Board of Directors on any matter brought to it pursuant to Section 2 or on any matter brought to it under Section 3 shall be final and binding.

Section 5: However, any member not satisfied with the decision of the Board of Directors may further appeal the matter to the membership if (i) the Board's action was by a vote of fewer than two-thirds of the full Board (not fewer than two-thirds of the directors at the meeting) and (ii) the member notifies the Secretary in writing within fourteen (14) calendar days of the Board's decision (1) that the member appeals to the membership and (2) the position of the member and the reasons why the member disagrees with the Board. If the member properly appeals, the matter will be held at the next regularly scheduled General Membership meeting after the Secretary receives the notice. There the Board decision will be sustained, unless the membership, by two-thirds vote of those present and voting, overrule the Board. The action of the membership shall be final and binding.

Section 6: If a final decision should be appealed to a court, the sole issue for the court shall be whether the Association has acted in an arbitrary and capricious way. If the court decides that the Association has acted in an arbitrary and capricious way the court shall return the issue to the membership for further consideration. Otherwise, the court shall sustain the Association's decision and actions.

Section 7: In deciding the case, the court shall give the benefit of the doubt to the Association. Going to court is not to be encouraged. Meeting technical rules is not required. It is sufficient that the Association in general follows its own rules and that the procedure within the Association be fundamentally fair and give the member a basic fair shake.

Section 8: If the court returns the issue to the membership, each side will pay its own costs and expenses.

Section 9: If the court sustains the Association, it shall enter judgment against the appealing party and in favor of the Association for all the Association's costs and expenses, including the Attorney fees (to the extent that the court finds the same reasonable) paid by the Association.

#### **ARTICLE V: PRINCIPAL OFFICE**

Section 1: The principal office of this organization shall be located in the City of Colorado Springs, County of El Paso, State of Colorado.

Section 2: All books, records, and financial documents shall be kept at the office of the Colorado Hill Climb Association, Inc.

#### **ARTICLE VI: OBJECTIVES**

In addition to the purpose of the organization as stated in Article II above, the objectives of this organization shall be:

Section 1: To unite into one racing organization all owners, drivers, mechanics, helpers, and others eligible for membership regardless of religion, race, creed, color, national origin, or sex.

Section 2: To engage in organizing members, promotions, and operation of races for various types of cars and other four-wheeled vehicles, at various locations.

Section 3: To engage in community activities which will advance the interests of this club and its members in the community and in the nation, directly or indirectly.

## **ARTICLE VII: MEMBERSHIP**

Section 1: The membership shall consist of persons of good moral character who are interested in the sport of automobile racing.

Section 2: Applications for membership shall be submitted to the Secretary of the Association, who will refer them for consideration to the Board of Directors. The Board of Directors, by majority vote, shall accept or reject each application and shall forward notice of its action to the applicant. Renewal applications shall be required annually and shall be acted upon in the same manner as original applications for memberships.

Section 3: Lifetime membership may be conferred upon any person by virtue of their standing or reputation in the Association, or for outstanding service rendered to the Association, upon nomination and approval of the Board of Directors. Lifetime Members are not required to pay yearly membership fees; however, all other fees and dues will be assessed.

Section 4: Applicants for membership who are under the age of eighteen (18) years shall submit with their application a signed waiver and release of liability by next of kin in such form as prescribed by the Board of Directors.

Section 5: Membership of any person whose dues are in arrears is automatically suspended.

Section 6: An application for reinstatement by a former member shall be presented to the Board of Directors, which shall act upon it pursuant to Section 2 of this article.

Section 7: Members in good standing shall receive a membership card to be canceled and returned to the Association only upon suspension or termination of membership. The Board of Directors shall have the right to demand the membership card of any suspended member.

Section 8: A member shall lose good standing by failure to pay annual dues, fines, or assessments as set forth by the Board of Directors.

## **ARTICLE VIII: EXECUTIVE BOARD**

Section 1: The affairs of the Association shall be under the management of an Executive Board, which shall consist of: five (5) Officers, one (1) representative per class, and one (1) Alternate per class, all of whom shall be elected, and the Event Race Directors, Chief Steward (s), Safety Director (s), Timing Director (s), and the Technical Director (s), all of whom are appointed.

Section 2: The Board shall take office at the January meeting following the election, and shall serve for a term of one (1) year or until their successors are elected and take office.

If a Board member does not attend at least nine (9) of the twelve (12) regular Board meetings or call in with a reasonable excuse, he/she shall not be eligible to run for the Board the next year. If a Board member misses three (3) meetings in a row a replacement will be found for the next meeting.

To be a Board member, membership renewal fee will be paid by January 1st.

Section 3: The remaining members of the Board shall fill vacancies on the Board for the unexpired term.

Section 4: Meetings of the Executive Board shall be at such time and place as it may designate and a majority of the Board shall constitute a quorum for business. A majority vote of those present shall be necessary to constitute an act of the Board.

Section 5: In addition to the powers expressly conferred by these By-laws, the Board may exercise all other lawful powers and acts that the Association might do according to the laws of the State of Colorado, the federal government, and the Certificate of Incorporation.

#### **ARTICLE IX: OFFICERS**

Section 1: The officers of the Association shall be the President, Vice President, Secretary, Treasurer, and Member at Large (non-owner/driver). The previous year's President will have an automatic advisory position on the Board with voting privileges.

Section 2: Officers shall be elected for a term of one (1) year as set forth in Article VIII of these By-laws. In the event there are more than two (2) nominees for each position, a primary election is to be held to eliminate all but two (2) such nominees, unless the person in the lead has more than 50% of the votes.

Section 3: President. The President shall be the chief executive officer of the Association. The President shall preside over all meetings of the Association and shall be ex-officio chairman of the Board of Directors. The President shall see that the orders and resolutions of the Board are carried into effect. The President shall exercise such general powers and duties of management as are usually vested in the office of President and shall keep the Board fully informed as to his/her activities. The President shall exercise all other powers expressly conferred upon by these By-laws. At any meeting of the Association the President may vote on any question that is voted by ballot and on any other question only when a tie is cast. When questions arise affecting the President personally of which he/she desires to discuss as an ordinary member, he/she shall designate any Director present to take the Chair until such question is settled.

Section 4: Vice President. In the absence of the President due to vacancy or inability, or refusal to act, the Vice President shall perform all the duties of the President. The Vice President shall also generally assist the President and exercise such powers and duties as may be prescribed by the Board of Directors.

Section 5: Secretary. It shall be the duty of the Secretary to keep the minutes of the meetings of the Association and the Board of Directors, and to perform such other duties as may be prescribed by the President or the Board of Directors and have custody of the seal of the Association, fixing same to all documents requiring said seal and attesting said same, and shall attend to all necessary correspondence.

Section 6: Treasurer. The Treasurer shall receive all gate receipts at race meets and will deposit same at bank and deliver the deposit receipts to the Executive Secretary. The Treasurer shall countersign all checks together with the President. He/she shall keep the official record of point standing and compute Federal Excise Taxes. He/she shall keep an accurate record account of the financial affairs of the Association and shall maintain a record of membership and dues; he/she shall be responsible for the disbursement of funds of the Association in such amounts and for such purposes as have been first approved by the Board of Directors. He/she shall collect dues and fines. He/she shall deliver prize monies only to the owners of winning vehicles unless requested in writing by such owner to deliver said money to some other person. He/she shall have such other duties as may, from time to time, be prescribed by the Board of Directors.

Section 7: The Board of Directors may appoint or employ such other agents of the Association, as it deems necessary, who shall hold their positions for such time and exercise such functions and duties as shall be determined from time to time by the Board. Such agents may also be appointed or employed by the President, who may determine powers and duties of said agents, and the terms of their appointment or their employment, except that the Board of Directors shall have the power to modify or set aside appointments or employments and determinations.

Section 8: In the case of vacancy in the Office of President, the Vice-President shall succeed to the office for the remainder of the un-expired term.

#### **ARTICLE X: COMMITTEES**

Section 1: The President with approval of the Board of Directors shall appoint all committees. The President shall advise committees of their duties, scope of work, nature and form of their reports and discharge said committees when their work is completed.

Section 2: The President shall be an ex-officio member of all committees and shall have a vote on any questions which are voted on by ballot and all other questions when a tie has been cast.

Section 3: A majority of committee members shall constitute a quorum and a majority vote of those present shall be necessary to constitute an act of the committee. Voting on any questions may be a ballot only when approved by a majority.

Section 4: Committees shall report at regular meetings of membership and shall report to or confer with the Board of Directors at such times as the Board may require.

Section 5: When necessary for the furtherance of the committee purpose, any committee shall have the right to incur expenses to be charged to the general fund of the Association for postage, telephone, and printing announcements. Expenditures other than these shall be first submitted to the Board of Directors for approval.

Section 6: Committee vacancies shall be filled by the president, with approval of the Board of Directors, within ten (10) days after such vacancy.

## **ARTICLE XI: MEETINGS**

Section 1: Meetings of the Association shall be held monthly at such time and place as shall be designated by the Board of Directors.

Section 2: Special meetings may be called by the President and must be called by the President at the written request of the majority of directors or the written request of at least ten (10) members in good standing. Calls for special meetings must be in writing and shall give at least four (4) days notice, whether personally or by mail to each member of record and in good standing at the time of the call. The notice of the special meeting shall state the purpose of said meeting and no other business shall be in order.

Section 3: A quorum for business at all meetings of the membership shall consist of those members attending who are qualified to vote. Except where otherwise stated in these By-laws, all decisions shall be by majority vote for those present and voting.

Section 4: On any Association issue or election, only members in good standing shall have a vote. Discussion on any question shall be open to the entire membership.

Section 5: Voting on all questions shall be by voice, hand count, or roll call, except on motions and/or General Rules changes that have been duly made and seconded, voting may be by signed ballot.

Section 6: The order of business at all meetings other than special meetings shall be as follows:

1. Reading of minutes from previous meeting
2. Report of Treasurer
3. Report of Committees
4. Unfinished Business
5. New Business
6. Adjourn

Section 7: Procedure at all meetings shall be in accordance with Robert's Rules of Order, unless stated otherwise by these By-laws.

#### **ARTICLE XII: ELECTION ELIGIBILITY**

To be eligible for election to any office in this Association, a member must be a member in good standings.

#### **ARTICLE XIII: CARS AND OTHER FOUR-WHEELED VEHICLES**

Section 1: All rules and questions pertaining to the design, construction, modification, structure, or style of vehicles shall be presented to and voted on by registered vehicle owners only, at special meetings called for that purpose. Any such rules adopted may not be amended, modified, or repealed during the calendar year(s) for which adopted.

1. This By-law does not apply to the JUNIOR class. All rules for the Junior Class will be made by the Board Appointed Committee.

Section 2: The annual fee for registration of a vehicle and assignment of number shall be payable at the time of application. The assigned number is not transferable. Lifetime members may retain their numbers permanently.

Section 3: Registration of a vehicle is canceled automatically upon suspension or termination of membership of the owner. The application for reinstatement made and acted upon in accordance with these By-laws shall be accompanied by the appropriate fee.

#### **ARTICLE XIV: RULES AND REGULATIONS**

The Board of Directors reserves the right to review and return to the General Membership or vehicle division, as it applies, any rule, policy, or procedure which may or may not be in the best interests of the Colorado Hill Climb Association, Inc. The Board of Directors has authority to over-rule any class rule that is not in the best interest of the class and/or the Colorado Hill Climb Association, Inc.

#### **ARTICLE XV: NOMINATIONS AND ELECTIONS**

Elections of Officers will be held prior to the year-end Awards banquet. The Executive Board shall set a time and place of nominations and elections to be convenient to the greatest possible attendance of all members.

Section 1: Balloting procedures: Ballots will be mailed to all eligible members of the Colorado Hill Climb Association after nominations have been held. The secretary mails the

ballot with two envelopes. The first envelope includes a return address to the election teller, the other one with a signature line. The secretary will provide a membership list to the election teller to verify eligibility.

Section 2: The member will place the completed ballot in the signature envelope, sign, and seal, then place that envelope in the return addressed envelope and mail to the election teller. Ballots are to be returned by a specific date for counting. There shall be no proxy voting.

1. Class representative positions will be voted on by respective class members only.
2. Member at Large position will be voted on by general members only (excluding owners/drivers).

Section 3: Upon receiving ballots, the teller will verify eligibility by comparing signature on envelope to membership list. The teller removes the legal ballots: destroys the signature envelope: then proceeds with tally of ballots. The illegal ballots are set aside and counted as illegal votes on the tally sheet. The election teller presents the report to the assembly: the President or appointed member announces the election results: the newly elected members must accept the position.

Section 4: After the ballot vote, if there is no possibility for a recount, the teller destroys the ballots to ensure secrecy. If there is a possibility for recount, the teller must retain ballots until such time the recount is satisfied, then destroy to ensure secrecy.

#### **ARTICLE XVI: VOTING ELIGIBILITY**

Every member who is in good standing status shall have the right to nominate, vote for, or otherwise support the candidate of his/her choice.

#### **ARTICLE XVII: SURETY BONDS**

Any officer of this Association who regularly handles funds shall be bonded in accordance with the requirements set forth by the Executive Board. Premiums to cover such bonds shall be paid out of the general fund of the Association.

## **ARTICLE XVIII: CONDUCT AND DISCIPLINE OF MEMBERS**

Section 1: In addition to such fines or penalties as may be prescribed by rule or these By-laws, any member's conduct tending to bring discredit to the Association, or which evidences intentional disregard for any rule or By-law, or which tends to be disruptive to the orderly pursuit of the affairs of the Association, or which is in any manner volatile of the purposes for which the Association was formed, shall be cause for the suspension or expulsion of such member.

Section 2: When any member who holds an elective office is suspended by operation of this Article, or by other rule or By-law, such suspension shall not constitute removal from office, unless by vote of the membership such removal is specifically ordered; except that during the period of suspension, the rights of such member acquired by virtue of the office he/she holds shall be likewise suspended. In the case of any Director, when such Director shall be absent twice successively from scheduled Board Meetings without proper excuse, therefore, this shall be further cause for suspension.

Section 3: No member affected by any proceeding under this Article shall have a vote thereon.

Section 4: Further, whether or not in connection with a fine or penalty under the Rules of these By-laws, at any time, on seven calendar days written notice to a member, the Board of Directors may suspend or expel a member for the member's conduct tending to bring discredit to the Association. Any conduct which evidences intentional disregard for any rule or By-law, which is or tends to be disruptive to the orderly pursuit of the affairs of the Association, or which is in any manner a violation of the Association, is subject to action by the Board of Directors as provided in Article IV of these By-laws.

## **ARTICLE XIX: HONORARY MEMBERSHIP**

Honorary membership may be conferred upon any person by virtue of standing or reputation in the community, or for outstanding service rendered to the Association upon nomination and approval of the Board of Directors. Honorary membership shall not have voting privileges, nor shall there be any dues or other assessments for such member.

## **ARTICLE XX: AMENDMENTS**

Proposed amendments to the By-laws shall be submitted in writing at a regular meeting of the Association, whether by petition on seven (7) members in good standing, or by resolution of the Executive Board. The proposed amendments shall be read at the same meeting and voted upon at the next regularly scheduled meeting. Two-thirds (2/3) present of members in good standing, at the meeting, need to be in favor shall be required for passage.

