

TWIN CITY RACEWAY



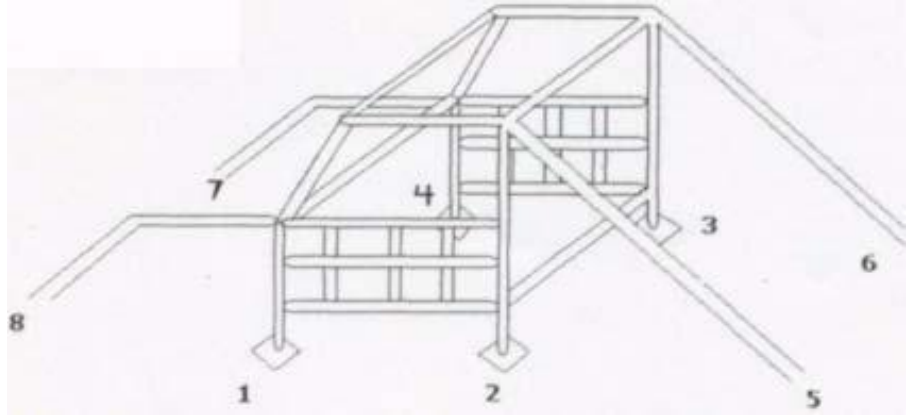
A-STOCK RULES 2010 EDITION

CLASS SAFETY RULES

- The following rules pertain only to A-Stock, B-Stock, and Late-model classes. Differences in classes will be noted under their class rules.
- **MEDICAL EXAMINATION-** All drivers in classes may be required to take one, as needed, by official request, at the drivers expense.
- **HELMETS-** All classes are mandated to have a full coverage approved auto racing helmet with goggles or full face shield. Helmets must be worn at all times while operating a car on the track or in the pits.
- **FIRE SUITS-** All drivers in classes are required to wear fire retardant apparel in good condition. Minimum long sleeves and long pants.
- **SAFETY BELTS-** All classes are mandated to have a 4 or 5 point safety harness belt, which must be worn at all times when on the track or in the pits. Shoulder harness will be 3" minimum and must be fastened behind the seat at shoulders height or a maximum of 3" below shoulder height. Lap belts must be 3" minimum. All belt and harness anchors must be securely fastened to meet TCR approval. Mandatory one point quick release.
- **FIRE EXTINGUISHERS-** All classes are mandated to have one 2 1/2 pound dry chemical fire extinguisher in their pit area.
- **SEATS-** A-Stock, B-Stock, and Late model must use approved racing type metal seats. Seat must be securely mounted to the roll cage.
- **ROLLCAGES-** A-Stock has a minimum of a four point cage. Construction will be 1 1/4 black pipe schedule 40 minimum or 1 1/2" cage tubing, minimum .095" wall. B-Stock and has a minimum of a six point cage and will be constructed out of 1 1/4 black pipe schedule 40 minimum or 1 1/2" cage tubing, minimum .095" wall.

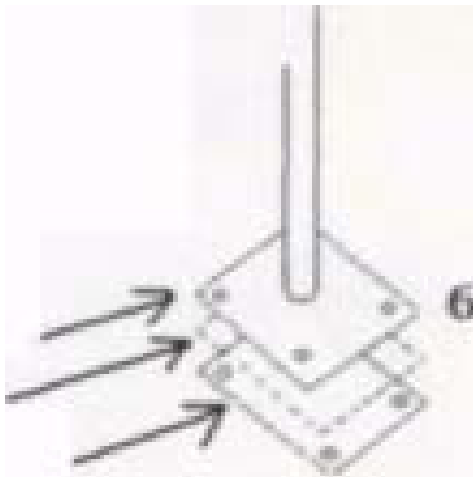
- **WINDSHIELDS AND DRIVERS DOOR OPENING-** Drivers window must have racing approved removable window net. All classes are required to cover the full opening of the windshield with 1/2" maximum square metal mesh.
- **BRAKES-** All classes are required to have brakes. All four wheel brakes must be operational. No bias adjustment allowed in A-Stock or B- Stock.
- **STARTERS AND BATTERIES-** A-Stock, B-Stock, and Late Model classes are required to have a starter. Batteries must be mounted outside of the driver's compartment and must be securely mounted with steel hold downs.
- **THROTTLE LINKAGE-** All classes are required to have double return springs on carburetor throttle linkage.
- **DRIVE SHAFT -**All classes are required to have their drive shafts painted white in color. Front drive shaft loop is mandatory. Loop is to be a minimum of 1/8" thick by 1 1/2" wide steel mounted no more than 6" to the rear of the front u-joint. If bolted to the floor, the floor must be plated. Plate thickness is 1/8" minimum thickness.
- **FUEL TANKS-** All classes must use an approved racing fuel cell not to exceed 32 US gallons .Tanks must be installed in rear deck space and separated from the driver by a firewall. Tanks must be securely fastened down with metal straps. Tanks must be equipped with a PCV valve or check valve. Filler caps must be located inside of the body of the car.
- **NUMBER SPECIFICATIONS-** All classes must have numbers. Must be a minimum of 18" high with a minimum 2" line width located on both door panels and on the roof in contrasting colors. A minimum of 6" number located on the left front and rear of car in contrasting colors to aid in car lineup is also required. All numbers will be assigned and approved by TCR officials. All cars must meet the approval of the officials as to appearance.

- **RADIATORS AND COOLERS-** All classes must have radiators with overflow bottles. Must be located under the hood and fastened securely. Fan shroud is highly recommended. No oil, transmission or water coolers allowed in driver's compartment. Any oil, transmission or water cooler lines running through driver's compartment must be metal.
- **REFLECTIVE DEVICES-** No reflective devices are allowed in any class. Mirrors will not be allowed in any class.
- **INSPECTIONS-** Any car involved in a major accident must be inspected by a safety official before re-entering competition. A race car may be inspected by officials at anytime. Every registrant of TCR shall at all times conduct him or herself with complete safety and in a prudent manner or a fine may be charged against them by TCR. If there are any questions concerning the class safety rules please contact a director from your class or a track representative.
- **RULE BOOK DISCLAIMER** The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern these events; all participants are deemed to have complied with these rules. **NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to participant, spectator, or official. Any interpretation or deviation of the rules is left to the discretion of the officials, **THEIR DECISIONS ARE FINAL.**



Roll Cage Example:

- *4 point roll cage example: #1 through # 4
- *6 point roll cage example: #1 through # 6
- *front support bars welded for front frame support:
- #7 and #8
- *rear frame supports welded to rear frame: #5 and #6
- *full frame cars, weld posts #1 through #4 to frame rails
- Note for unibodies: - 4 hole plate - 6"x6" pad on all posts min.
- Arrow #1: over plate
- Arrow # 2: floor pan
- Arrow # 3: under plate
- Bumper not to exceed tread width of tires. - Basket type bumpers will be mounted to frame in stock location - Bottom of bumper must be a min. of 12" from the ground. Top of the bumper must be a max. of 24" from the ground.



A-STOCK CLASS

A-STOCK CLASS RULES DEFINITION The word stock will mean unaltered as originally factory produced and installed for year, make and model.

- **COMPETING MODELS**

- A. 1955 or newer standard size American made sedans. (2 or 4 door)

- B. Stock wheel base will be 102" minimum, maximum 116" (+ or - 1")

- C. No convertibles, station wagons, 4 wheel drives or front wheel drive allowed.

- D. Engines and bodies must be make to make.

- E. Car must weigh a minimum of 3200 lbs. wet with driver.

- **BODIES**

- A. Destroyed panels must be replaced with stock parts.

- B. Fenders can be cut for tire clearance not to exceed 3".

- C. Inner fender wells may be cut or removed.

- D. Both inner door panels may be cut out for door bars.

- E. Grill may be replaced with wire screen.

- F. All upholstery, glass, chrome, lenses and fiberglass must be removed from car.

- G. Drivers window must have racing approved removable window net.

- H. Factory firewall, floor pan and trunk floor must remain in tack.

- I. A fire wall between driver and trunk area must be 20 gage steel sheeting.

- J. Spoiler height- 8" material maximum and no wider than the car.

- K. Spoiler braces- 3 braces maximum. Must be triangular in shape, 8" high and 18" long at the base.

- **FRAMES**
 - A. Stock. No alterations except for reinforcement of uni-body for safety purposes.
- **ROLL CAGE**
 - A. Must be a minimum of four point roll cage with a minimum of three door bars on driver's side, two door bars minimum on passenger side.
 - B. Roll cage may go forward of front firewall or past rear firewall.
 - C. Roll cage may be made of 1 1/4 black pipe schedule 40 minimum or 1 1/2" cage tubing minimum .095" wall.
 - D. Roll bars must be padded within drivers reach.
- **ENGINES**
 - A. Factory engines and components. Engines will be GM for GM, Ford for Ford, etc. 180 PSI maximum compression and run on pump fuel only.
 - B. OEM cast iron blocks, heads and exhaust manifolds. NO after-market produced heads, blocks, or exhaust manifolds.
 - C. Any cast iron intake allowed. Gasket matching allowed.
 - D. Maximum cylinder bore size, 4.185. Ford 400M allowed.
 - E. No porting or polishing allowed.
 - F. No pop-up, dome or hemi pistons allowed.
 - G. No mechanical cams, roller rockers, roller cams or lifters allowed. H. No 6" rods unless OEM.
 - I. Hydraulic cams only.
 - J. Single carburetor with single fuel inlet. 650 CFM max with a vacuum secondary. Choke tower must be intact, Choke butterfly may be removed.
 - K. One inch spacer allowed.
 - M. Stock rods only.
 - N. No polishing of rods. No floated rods or pistons.
 - O. Chain and sprocket style timing chain only.
 - P. Mechanical or electric fuel pumps allowed. Electric pumps must have low oil pressure shut down switch.

- **IGNITION**
 - A. Stock electronic or single point distributor. No MSD or racing after market types.
- **ELECTRICAL**
 - A. Battery must be mounted outside of driver's compartment but inside of body in a positive cover to contain the acid.
 - B. Must be securely mounted with steel hold downs.
 - C. Battery may be mounted in stock location.
 - D. No bungee cords on battery.
- **TRANSMISSION**
 - A. OEM standard production 3 or 4 speed manual transmission or automatic only.
 - B. No direct drivers or buttons.
 - C. OEM clutches and OEM steel flex plates only.
 - D. No aluminum flywheels.
 - E. Manual transmissions must have scatter-shields.
- **SUSPENSION**
 - A. Must remain stock for make and model.
 - B. No cutting, heating, wedging or modifying of components.
 - C. No coil-over or air shocks.
 - D. No weight jacks.
- **REAR ENDS**
 - A. Ford 9" or 8 3/4 Chrysler allowed with all makes of cars.
 - B. Must be in stock location.
 - C. No floaters or quick changes.
 - D. Gear ratio optional.
 - E. Welding of spider gears, mini spool, and posi track acceptable.
- **RADIATORS**
 - A. Only one radiator mounted in stock location.
 - B. Must have catch tank mounted for overflow.

- **FUEL TANKS**

- A. Approved racing fuel cell not to exceed 32 US gallons.
- B. No boat tanks.
- C. Must be securely mounted with two metal straps in rear trunk area.
- D. Tanks must be equipped with a non spill cap and vent line. PVC valve can be used on vent line.
- E. Filler cap must be located inside of body.
- F. No pressurized tanks allowed.

- **TIRES AND WHEELS**

- A. Maximum wheel width of 8".
- B. Steel racing type rims permitted. No ultra lights, wide 5's or bead-locks.
- C. Tire must be DOT approved.
- D. No studded, or lug type mud and snow tires.

BUMPERS

- A. Stock or basket type.
- B. Bumpers must be reinforced so that they will not fall off on impact.
- C. 1 1/4 black pipe maximum for bumpers.
- D. Nerf Bars must be level to be center of axles plus or minus 5". Max 1" from body and a Max O.D. of 1".