

TWIN CITY RACEWAY

MINI-STOCK RULES

2010 EDITION

CLASS SAFETY RULES

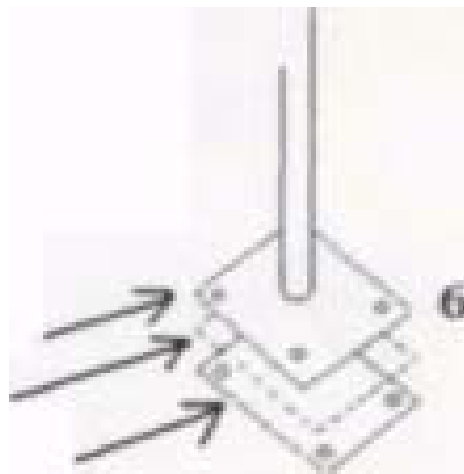
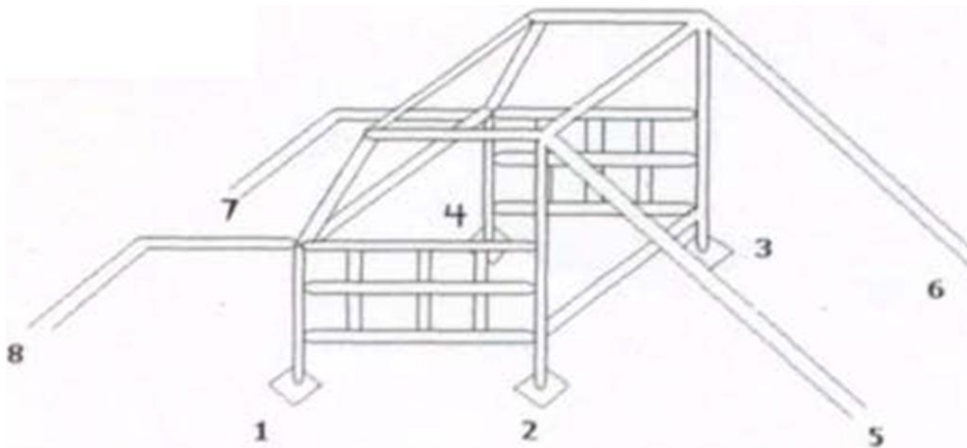
- The following rules pertain to all classes racing at Twin City Raceway. Differences in classes will be noted under their class rules.
- **MEDICAL EXAMINATION-** All drivers in classes may be required to take one, as needed, by official request, at the drivers expense.
- **HELMETS-** All classes are 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-** All classes 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.



Mini-Stock Class Rules

Vehicle Type/Wheelbase

- A. Any 4 cylinder American or import with a wheelbase of 104" or less.
- B. Vehicle may be front or rear wheel drive, no AWD.

Body/Frame

- A. Frame must be stock and match body of parent company, reinforcing allowed for safety purposes only.
- B. Must retain stock floor pan and firewall in stock locations.
- C. No aftermarket fiberglass or lightweight race panels.
- D. Fenders may be cut/radiused for tire clearance.
- E. All glass/plastic/upholstery/trim must be removed from car. Stock instrument cluster may be retained if desired.
- F. Side/nerf bars allowed max size 1 1/4" square or round tubing and 1" from body.
- G. Windshield area must be covered with mesh screen, no larger than 1/2" square.
- H. Inner fender wells may be cut or removed.
- I. Inner door panels may be cut or removed for door bars.
- J. Bumpers may be reinforced for impacts.

Engine

- A. Engine must be of parent vehicle manufacturer.
- B. Naturally aspirated piston driven only, no superchargers or turbochargers.
- C. Single carburetor with max of 550cfm or factory fuel injection.
- D. Engine must remain in stock position.
- E. Aftermarket manifolds allowed.
- F. Stock block, head and valve train only.

Transmission

- A. Transmission must be of parent company manufacturer.
- B. Must have forward and reverse gears.
- C. Must be self starting out of gear and be able to shift into gear with motor running.

Suspension

- A. Must remain stock in appearance, all components must remain in stock locations.
- B. No mechanical weight jacks allowed
- C. Use of adjustable sway bars acceptable

Fuel/Tanks

- A. Must be pump gas only, no race fuel.
- B. OEM gas tank allowed, if originally mounted in front of rear axle.
- C. If using fuel cell, it must be of metal construction or if plastic, in metal enclosure or mounted in trunk.

Electrical

- A. If battery is moved from stock location, it must be securely mounted with steel hold downs in a sealed or contained box.
- B. Battery operated OEM ignitions only.

Tires/Rims

- A. Tires must be DOT rated highway tires.
- B. No snow, grooved, studded or race tires.
- C. 7" max width wheels, no tire size limitation
- D. No beadlocks.