

Hill Valley Speedway

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8 cyl. Street Stock

2010

RULES

Complete bodied, domestic cars from 1960 to present.

Rear Wheel Drive Cars ONLY!

Wheel base must remain stock and be at least 101 inches.

1. Appearance:

- A. Cars must be neat in appearance and look like model being run.
- B. Car number should be at least eighteen inches (18") tall on the door and roof. A small number, about six inches (6") can be used on car's front or rear to assist in scoring.

2. Bodies:

- A. All cars can use pre-fab steel or aluminum panels with stock body lines.
- B. All doors must be welded shut.
- C. All glass and lights must be removed.
- D. Protective windshield screen is mandatory. A minimum of at least two metals rods must be near the center of windshield, welded or bolted into a vertical position.
- E. All decorative trim, door handles, chrome molding, etc. must be removed.
- F. Plastic grills must be removed.
- G. Plastic nose and tailpieces are legal but must match model of car.
- H. A 4" high spoiler, no wider than the deck lid may be used.
- I. Tow hooks, front and rear are MANDATORY. Hooks must be visible and able to support weight of car. Front hooks must be accessible without having to remove hood.
- J. Highest point of roof must be no less than 48" high.

3. Interior:

- A. Must have steel firewall. Floor pan must be steel in area of driver.
- B. No holes in firewall.
- C. Must have rear firewall sealing trunk from driver's compartment.
- D. No mirrors or radios.
- E. Boxing of interior allowed.
- F. No fluid reservoirs, tanks or radiators in driver's compartment.
- G. No inboard fuel pumps in driver's compartment.
- H. No driver adjustable weight jacks or traction control allowed.

4. Frames:

- A. Must match manufacturer of body. (Chevy/Chevy, Ford/Ford, etc.)
- B. Stock front stub with fabricated frame and full bodies allowed.
- C. Two (2) inch by two (2) box may be used from 20" behind ball joint to rear of car.
- D. Factory steering racks or after market steering racks are allowed.

5. Roll Cage

- A. A full roll cage with four (4) post design must be used and welded to frame. No screw type pipe fittings allowed.
- B. Seamless tubing with a minimum of one-half inch (1 ½ ") by ninety-five thousandths inch (.095") must be used.
- C. Roll cage must be welded 360 degrees and be gusseted.
- D. Door bars must be padded and rub rails are allowed.
- E. Driver's door must have four (4) horizontal bars and passenger door must have at least three (3) horizontal bars, gusseted and attached to the vertical bars of roll cage in doors.
- F. Driver must have a two -inch (2") minimum clearance above helmet.
- G. Front roll cage bars must follow contour of windshield. Rear roll bar must be behind driver.
- H. Two (2) bars must penetrate the firewall rearward from the top of the roll cage to the rear frame to help anchor the cage to the frame.

6. FUEL CELL:

- A. Thirty-two (32) gallon maximum safety approved fuel cell mounted in a twenty (20) gauge steel box supported by two (2) one-eighth inch (1/8") by two inch (2") steel straps top and bottom to safely secure fuel cell.
- B. All fuel cells must be mounted securely in trunk area of car.
- C. Fuel line must run under floor of car. If fuel line runs through interior, it must be encased and sealed at both ends.
- D. Racing gasoline ONLY! NO NITROUS!

7. WHEELS AND TIRES:

- A. Racing wheels allowed. Wide five wheels allowed with wide five adaptors. Wheels NOT to exceed 12" in width. Bead locks allowed. NO wide five hubs allowed.
- B. For safety purposes, oversize lug nuts are recommended.
- C. Maximum circumference permitted is ninety-three inches (93"). NO Tolerance.
- D. Maximum cross section width is sixteen and three quarters inch (16 3/4 "). NO tolerance.

8. BRAKES:

- A. At least three (3) wheels MUST have operating brakes>
- B. Four wheel disc brakes allowed.
- C. NO plastic brake lines.
- D. Dual master cylinders with drop pedals are legal.

9. TRANSMISSION. CLUTCH, & REAR END:

- A. After market transmission allowed. MUST have working forward and reverse gears.
- B. Any stock type production rear end acceptable. Nine inch (9") Ford rear end permitted.
- C. Floater rears allowed.
- D. Rear ends must be locked.
- E. Clutches. May be stock or triple disk.

10. SUSPENSION:

- A. Coil spring cars can use a three link suspension. Top link can be a maximum of thirty (30) in length. Lower trailing arms must be solid. Heim ends allowed. Pan hard or j-bar can be used, Rear leaf spring cars may run steel or composite springs.
- B. The front suspension parts must remain stock for the make and model of the car. Tubular upper-arms allowed.
- C. NO coil over shocks.
- D. Steel racing shocks permitted.
- E. Spring sliders with minimum five inch (5") racing springs allowed.
- F. Racing springs with a minimum five inch (5") diameter is permitted. Spring pocket weight jacks are allowed.

G. Shocks may be relocated from inside of springs.

11. ENGINE:

- A. Engine size NOT to exceed 412 CID.
- B. Engine must follow manufacture line: i.e. GM in GM cars, Ford in Ford cars, etc.
- C. Engine must be all steel block and heads. After market steel heads allowed. Vortec heads allowed.
- D. 4" maximum motor set back measured from front spark plug to center of ball joint.
- E. Ignition must be stock type single points. HEI ignition is legal and can be after market.
- F. Roller rockers allowed. Hydraulic or mechanical cam allowed. Stud girdles allowed.
- G. Headers are permitted. Header mufflers are required. Exhaust is NOT permitted to be directed towards ground.
- H. Stock fuel pump MUST be used. NO electric fuel pumps.
- I. Ignition MUST be stock type points electronic.
- J. NO magnetos or MSD ignitions allowed.

12. CARBURETOR AND INTAKE:

- A. Limited to one (1) stock two (2) or four (4) barrel (MAX .750CFM) Holley Carburetor. NO modifications EXCEPT the removal of the choke plate . Choke horn may be milled off.
- B. Stock cast iron two (2) or four (4) barrel intake with adapter allowed.
- C. Single plane or dual plane aluminum intakes allowed. NO tunnel rams.

13. WEIGHT:

- A. 2800 lb weight limit including the driver after the race without adding fuel.
- B. All ballests MUST be securely mounted and have a minimum of 2 mounting bolts a minimum of 1/2 " diameter and painted white with car number on it.

14. SAFETY:

- A. Racing seat and headrest REQUIRED!
- B. Five (5) point racing harness (seatbelts) less than three (3) years old REQUIRED. Belts must be nylon quick release type in good condition and working order. Belts must be attached to frame.
- C. Operational fire extinguisher must be mounted within driver's reach. A five pound (5#) Halon system recommended.
- D. Approved fire resistant driver's uniform is MANDATORY. Fire proof gloves MANDATORY! Fire proof racing shoes MANDATORY! Fire proof underwear, socks, and hood recommended!
- E. Full faced helmet with lexan face shield Snell 2000 or newer.
- F. Nylon mesh window net REQUIRED!
- G. NO aluminum driveshafts.
- H. Drive shafts MUST be painted white and have a safety hoop. Safety hoop must measure minimum six inches (6") in diameter and one-quarter (1/4") thickness by one-inch (1") width.
- I. Protective windshield screen is MANDATORY. A minimum of at least two metal rods must be near center of windshield, welded or bolted into a vertical position.

RULE DISCLAIMER:

The above rules are intended to be a guideline in constructing a car. The decision of the track officials is Final. Officials reserve the right to interpret or change these rules whenever they feel it is appropriate in regards to promoting safety or competition. Hill Valley Speedway has the right to change and update these rules.