

# Sportsman Rules

## 1. BODY

- A. Body and motor must be same manufacturer's line.
- B. 1980 or newer American made, intermediate sized cars.
- C. 105" minimum wheel base with one inch tolerance.
- D. Must have a fiberglass or aluminum after market body.
- E. The following make/models will not be permitted: GM-Corvettes, Ford-Probes, Chrysler-Dart, Duster, Daytona or Laser.
- F. Wedge style or home built bodies acceptable.
- G. Must have stock appearing nosepieces.
- H. No rear louvers or rear roof side panes.
- I. Rear of car may be open.

## 2. AERODYNAMICS

- A. Rear spoiler limited to ~~5" in height~~. 8" in height.
- B. Spoiler cannot extend past quarter panels. Side supports from spoiler toward deck lid may not exceed 5" in height and/or 18" in length.

## 3. FRAME/CHASSIS \*\*\*OFFSET OR STRAIGHT\*\*\*

- A. Stock front frame section or tubular front frame section permitted. Tubular front frame sections will conform to NASCAR late model stock car specification as described below.
- B. No three-frame rail cars permitted.
- C. Frame rails must be same size tubing on both sides of car. One inch (1") tolerance permitted and must be same dimensions from side to side.
- D. Body must be mounted center point of width of body over center point width of frame rails. One inch (1") tolerance.
- E. All major vertical roll cage cars must be welded to frame rails only. No radically offset cages. One inch (1") tolerance when measuring offset of cage.
- F. If door bars extend outside of frame rails on the left side, right side door bars must measure the same distance from right side frame rail. Two inch (2") tolerance permitted.
- G. Body will be mounted straight up. Two inch (2") tolerance.

## 4. FUEL/FUEL CELL:

- A. Fuel cell is mandatory and must be contained in a heavy steel box to prevent puncture.
- B. NBS racing fuel only. No additives permitted. NBS has the right to withdraw the gas and refill with track gas.

## 5. TRANSMISSION/REAR-END:

- A. Three or four speed manual permitted. Stock style manufacturer's case must be retained. Bert or Brinn OK. Automatic okay. If automatic transmission is used, must have safety blanket or scatter shield.
- B. Any flywheel permitted. Lakewood type blow-proof required.
- C. Any type rear end permitted.
- D. Rear end must be under primary frame rails.
- E. Rear ends cannot be offset in chassis. Drive shaft must be in center of frame rails. One inch (1") tolerance permitted.
- F. All cars will be equipped with a workable clutch. Must be able to start out of gear, then put in gear while running and driven off.

6. BRAKES/SUSPENSION:

- A. Any automotive braking system permitted.
- B. Use of tubular A-arms is permitted. Lower A-arms must be the same length from side to side. Upper A-arms must be the same length from side to side.
- C. One shock per wheel permitted. Sway bars, torque arms, etc. permitted. **Dummy shock left rear optional.**

7. ENGINE SPECIFICATIONS:

- A. Maximum overbore .060.
- B. GM: 350 cubic inches
- C. Ford: 351 Cleveland or Windsor
- D. Chrysler: 360 cubic inches
- E. Stock stroke must be retained with a +/- ten thousands (0.010) tolerance; measuring at visible center of piston. Final value to be determined on average of 4 cylinders on same bank.
- F. No crossbreeding of engine parts. Ford Cleveland and Windsor parts cannot be interchanged.
- G. Camshaft and Lifters
  - 1. Any solid or hydraulic cam and lifters permitted.
  - 2. NO roller cams allowed.
- H. Heads **\*\*\*ALL PART & CASTING NUMBERS MUST BE VISIBLE\*\*\***
  - 1. GM:
    - 1. Any GM small valve head. No 2.02 valve cylinder heads.
    - 2. No GM angle plug heads.
    - 3. GM Vortec heads permitted Intake cannot be match ported.
    - 4. Use of World Products brand head #305-58 cc chamber permitted. Part # 4265A or #4265B.
    - 5. PBM Product head part #367970 allowed.
    - 6. Racing head service part # 12407 1.94/1.50 valve is allowed.
  - 2. Ford:
    - a. Stock manufacturers cylinder head only.
    - b. Ford cylinder head N-351 permitted.**
    - c. World Products cylinder head #5303A or #5303B permitted.
  - 3. Chrysler:
    - a. Stock cylinder head for cubic inch engine used.
    - b. Contact Larry Ramsey if in doubt.
  - 4. Roller rocker arms permitted. Stud girdles permitted.
  - 5. No aluminum heads.
  - 6. No cutting, grinding or polishing of combustion chamber area of head.
  - 7. Maximum 3-angle valve.
  - 8. No titanium valves.
  - 9. Heads cannot be cut, ground or polished inside any ports, runners or altered in any area behind valves.
  - 10. No acid dipping.
- I. Rods/Crank:
  - 1. Connecting rods cannot be lightened.
  - 2. Rod, piston, pin, ring combination must weigh 1000 grams in race ready condition. Any steel rod permitted.
  - 3. No aluminum or Titanium rods.
  - 4. Stock manufactured rods can be polished for strength. Polished not lightened.

5. GM:
    1. Any 5.7 rod permitted.
    2. All Chevrolets must run stock GM Cast Iron Crank # ending in 2442 or Scat or Eagle steel crank.
  6. Ford:
    - a. Cleveland must be 5.7 inch Ford rod.
    - b. Windsor any 5.954 inch Ford rod.
    - c. Crankshaft must be of stock weight. If aftermarket rod is used crankshaft may be altered for application.
  7. Chrysler:
    - a. Rods must be stock length for block used.
    - b. Crankshaft must be stock weight for block used.
  8. No grinding or polishing of crankshaft. Balancing allowed.
- J. Pistons
1. Flat top or concave pistons only, in small chambered heads. No dome or light weight pistons.
  2. Piston, pin, rod, ring combination must weigh 1000 grams in race ready condition.
  3. Piston may protrude thru top of block a maximum of .005's. Zero deck plus .005's. Measured without head gasket.
  4. Piston must have same appearance as stock manufacturers.
- K. Carburetor
1. All cars must run stock #4412 Holly carburetor. Must fit no-go gauges. Any aluminum intake allowed. Must be store bought. No grinding. No port and polish. Casting marks must be visible. Same as Late Model.
  2. Top of carburetor cannot be ground down.
  3. Carburetor, spacers with gaskets not to exceed 1.6".
  4. No grinding, cutting or machining allowed.
  5. Venturi cluster of carburetor cannot be altered. If any material is removed, it is illegal.
  6. Throttle shaft in base plate must match Holly #4412 carburetor.
  7. Must maintain visible carburetor number. NO NUMBER – IT'S ILLEGAL.
- L. Fuel Pumps
1. Electric fuel pumps are permitted. Fuel pump must be wired into master switch.
- M. Radiator
1. Any radiator permitted.
  2. Radiator must be in front of motor.
- N. MSD ignition allowed.
- O. Mufflers/Headers
1. MUFFLERS ARE REQUIRED. NO EXCEPTIONS.
  2. Schoenfeld Muffler Part #92535.
  3. Mufflers must be installed so that part number is visible.
  4. Headers are permitted.
8. ENGINE LOCATION
- A. Farthest spark plug forward on engine must split ball joints.
  - B. Maximum tolerance one-half inch (1/2").

9. TIRES:
  - A. Hoosier tires required.
  - B. Tires must be purchased from David Ruley and must be branded by him. David can be reached 9-5 Monday – Friday at 540-463-3495.
  - C. No soaking permitted.
10. WHEELS:
  - A. Maximum 12 inches wide.
  - B. Wide 5 pattern permitted.
11. DRIVER’S EQUIPMENT:
  - A. Crash helmet required. Must be Snell 2000 or later approved. Full face highly recommended.
  - B. Three inch seat belt, shoulder harness and crotch strap required.
  - C. Drivers must wear fireproof suits (jacket and pants) and gloves. Fireproof shoes recommended.
  - D. Driver side window net required.
  - E. All cars will carry a 2 ½ lb. fire extinguisher.
  - F. No in car radios permitted.
  - G. No mirrors of any kind allowed.
12. WEIGHT:
  - A. Base weight with driver included is 2850 lbs. for straight up cars.
  - B. Base weight with driver included is 2950 lbs. for offset cars.
  - C. Each car must display its NBS required weight in the top left corner of the windshield, or above top left corner.
  - D. NBS reserves the right to adjust weight up or down to equalize competition.
  - E. All added weights must be bolted to the frame, painted white and have the car number on each weight.
  - F. NBS reserves the right to add weight to any car winning more than three consecutive races.
13. PULL CHAINS
  - A. Must have front and rear pull chains that are attached to frame. Cable may not be used.
  - B. Failure to have both will result in purse being held until in compliance.
14. MISCELLANEOUS: