

## **SHENANDOAH SPEEDWAY 2014 Demo Derby COMPACT CAR RULES**

Rules: All cars must remain stock unless otherwise noted. If it is not in the rules, it does not mean you can do it. So Don't!

**\*\*CAR TYPE** any FWD car or station wagon that has a wheelbase under 110" with a 4 or 6 cylinder engine. RWD CARS are allowed a 106" WHEELBASE.

### **\*\*Stripping:**

All outside hardware such as glass, plastic, fiberglass and chrome molding, door handles, mirrors etc must be removed prior to arrival. No broken windows in doors. All flammable materials must be removed such as carpets, upholstery, headliners, and back seats. Cars must be clean and free of loose objects inside and in the trunk area including spare tire, rims and parts. Insulation blanket under the hood must be removed. All items must be removed except for front seat and dash.

### **\*\*Body:**

Wheel wells may be cut and rolled for tire clearance. 5 bolts in each wheel lip acceptable 3/8 bolts and 1" washers max size

**\*\*SUSPENSION:** factory stock

### **\*\*FRAME:**

factory stock, you can notch and pre-bend . **\*\*Engine :** You may swap motors/transmissions

### **\*\*Transmission:**

Floor shifters allowed. Transmission may be secured by chain , # 9 wires or stock mount

### **\*\*Rear End:**

Any 5 bolt pattern accepted ~ spiders can be welded ~ .. Any drive shaft allowed.

### **-\*\*Bumpers:**

Any automotive bumper can be used. You must weld or bolt the bumper to the shock. Bolts can be up to 1/2 dia in the factory location. #9 wire in 4 places around core support to bumper. 2 strands per hole max. ~ You may trim bumper ends~ maximum front and rear bumper height 24 " and rear bumper a minimum of 16 ". Measurement will be taken from ground to center of bumper.

### **\*\*Tires and Rims:**

7.50-15 maximum size, doubled, glued, and screwed tires allowed. Valve stem guards allowed.. No studded tires on drive tires. . No restriction on tread pattern or tire ply ratings. REMOVE ALL WHEEL WEIGHTS BEFORE INSPECTION.

**\*\*Exhaust System:**

Headers can exit straight up through the hood.

**\*\*Steering Column:** may be swapped, aftermarket steering shafts allowed

## **AIR BAGS MUST BE REMOVED**

**\*\*Fuel: Gasoline only!**

**\*\*Fuel Tank:**

Original gas tanks Must be removed unless they are mounted in front of the rear axle If you leave tank under the car a skidplate is required ! . Tanks are to be mounted behind driver. They Must be mounted properly and all connections must be secured and leak proof. 5 Gallons Max .5 holes must be in floor around fuel tank to prevent puddling of spilled fuel. (If it moves 1/8 inch ~ it's NOT considered secure,) all fuel tanks must be covered with a non flammable material .

**\*\*Fuel Line:**

Electric fuel pumps are acceptable. Must have shut off switch within drivers reach. Mounted on the rear roll cage bar. Must be 12 " from the passenger side door with off position being down. Clearly marked for safety personal.

**\*\*Roll Cage:**

One bar mandatory behind driver seat. 8 X 8 max plates welded on body for cage. No further back then 12 inches behind door post. DASH BARS AND DOOR BARS ARE OPTIONAL FOR DRIVER SAFETY ONLY. bars can be up to 4 " max diameter. Roll over bar allowed but must be straight up and down not angled back !

**\*\*Body Mounts.** factory stock

**\*\*Doors:**

Drivers door may be welded solid by using 3" wide max, o thick strap all other doors (6) 3x3 plates on each vertical door seam. . One plate not to exceed drivers door by 6 inches, may be welded on drivers door for safety! If not choosing to weld all other doors may be banded chained or wired in 6 spots on each door . Bottoms of each door can have 2 spots wrap around the frame. Any door that comes open

during heat or feature will automatically disqualify that car.

NUMBERS MUST BE ON A ROOF SIGN. Signs need to be at least 20 x 20.

**\*\*Hoods:**

Fiberglass hoods may be changed. Hoods can be bolted together at cut out. 10- 3/8 bolts max.. with 1 " dia washers . No welding. HOOD CAN BE SECURED IN 6 SPOTS. By using #9 wire or chain, 4 strands per hole . Must have 14 " hole in center if not using headers. HOODS MUST BE OPEN FOR INSPECTION.

**\*\*TRUNKS** You are allowed 6 places max. on hoods, doors, trunks, and tailgates. 4 strand per hole. Welded washers are not allowed. Sheet metal to sheet metal only unless otherwise specified. 12" inspection hole must be in the trunk if it cant be opened for inspection. 10 3/8 bolts 1" washers around cut out only. You may pre-bend in the following ways: You may tuck the trunk at a 90 degree angle or U or dip the trunk lid down but there must be 8 inches of space between the trunk lid and floor will be measure from the highest point of the trunk floor. NO WEDGE CARS NO EXPECTATIONS we do not need ramp cars that will cause roll overs !

**\*Radiator & Fans:** Any stock automotive allowed. Only in stock position. Secured by 9# wire, nylon straps, or bungee straps in 2 places only. Remember Water only! No coolant. Electric fans permitted.

**\*\*Battery:**

1 battery of any size. Must be placed in a secure position in the front. passenger side floor board. Battery box is suggested, which must be securely fastened down. Battery Must be covered.

**\*\*STARTING METHOD:** you may use toggle, push button or hot wiring method **\*\*Brakes:** Brakes MUST be functional. **\*\*Windshield:** Two bars or #9 wires must run from roof to cowl panel.

NOTE: Keep it simple.....this is an entry level division and we want to keep it that way.

**2014 Shenandoah Speedway Demo Derby Entry Form**

Driver Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number \_\_\_\_\_

Car Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_

Car No. \_\_\_\_\_

Sponsors \_\_\_\_\_

Previous Demo Derby Experience \_\_\_\_\_

Mail with \$30 Check to:

Shenandoah Speedway, 500 Quincy Ave., Shenandoah, VA 22849