

Middleford Speedway

Delmarva Chargers Rules

The intent of this division is entry level racing and is designed for the racer to have fun. The officials reserve the right to change any rule without notification and their decision is final. Our goal is to have a family oriented, inexpensive division, designed to allow our racers to be competitive at this level of the sport. The Race director will determine the eligibility of any driver and their decision is final.

Competing Models

1. Any front wheel drive (FWD), 4 cylinder passenger car (sedan type) is permitted. Must have been available with front and rear seats (No2 seat sport cars allowed; No Honda CRX or Hyundai Triburon permitted).
2. All components not listed in these rules must be factory Original Equipment Manufactured (OEM).
3. No 4 wheel drive or 4 wheel steer Vehicles permitted.
4. No mid-engine or rotary engine cars permitted.
5. May use an automatic or manual transmission.
6. Driver /Owner must in their possession a Chilton Manual or equal with car for the tech directors uses. If no manual is produced during tech driver will be disqualified.
7. The race director reserves the right to permit, or not permit any make or model of car for competition.

Engines and Transmissions

1. Only totally stock 4 cylinder engines permitted. All bolt –on items must remain in stock location and be OEM. No aftermarket or racing parts allowed.
2. Clutch and transmission must remain stock for make and model.
3. Chilton manual or equal will be used for all specifications and accessories.

Fuel Systems

1. Carburetor or Fuel Injection permitted.
2. No turbo-charged or super-chargers will be permitted. No nitrous of any kind permitted. If nitrous is found in any car an automatic suspension from racing for the entire season will occur for the driver and/or owner.
3. Fuel injected engines must be equipped with a fuel shut-off safety switch. (Mercury or oil pressure)
4. Fuel cells are allowed and highly recommended. Maximum volume of 5-gallons. Must be mounted inside a metal container and centered in trunk area.
5. Fuel injected cars may use stock fuel tank.
6. Fuel lines must not run through the driver compartment.

Weight

1. No added weight is allowed.

Exhaust System

1. All cars must have exhaust that exits behind the driver. Exhaust must match stock size. Approved mufflers required. No performance mufflers allowed, must be stock OEM type. Must remove Catalytic Converter.
2. No headers, stock manifolds designed for make and model only.
3. No performance enhancing "traps" or exhaust parts allowed.

Bodies

1. Bodies must remain stock. Fenders may not be cut for tire clearance.
2. Front wheel wells may be removed, but strut towers may not be modified in any way.
3. All lights and glass must be removed.
4. All bumpers must remain stock. No re-enforced bumpers allowed.
5. Only stock firewalls in stock position will be allowed. No holes allowed in firewall.
6. Trunk area must remain stock.
7. Driver's door may be hulled for door bar clearance. No more than four door bars allowed per side.
8. Must run stock dash. Aftermarket tach, oil pressure and water temp gauges may be used.
9. Air bags must be removed.
10. Screen or mud guard may be added to windshield area only. Must be bolted or welded in place.
11. Stock steering column only. Locking mechanism must be removed from steering column. An on/off switch may be added to the dash, must be within driver's reach. A removable steering wheel may be added.

Suspension and Brakes

1. Only unaltered stock suspension parts permitted
2. Unibodies may not be tied together.
3. The brake system must remain stock. No shut off valves allowed. Cars must have brakes on all four wheels, and must operate.
4. Maximum camber: 3 degrees. NO rear camber allowed.

Tires

1. RR, LR, and LF tires must be the same size. RF tires recommended to be changed to a 205-65R-13, 14, or 15. Stock wheels only. RF minimum tire pressure must be 30psi after the race.
2. Offsets must be the same on all 4 wheels.
3. Only DOT street tires allowed, no road racing tires allowed. Tires may not be cut or grooved in any way.

Electrical

1. Battery may not be mounted behind the rear axle. Battery may not be lower than the floor pan.

2. Battery must be mounted to the floor pan with 3/8" threaded rod with a plate under floor pan. An enclosed battery box is required. Marine boxes may be used as long as the hold down is located inside the box.
3. Battery may remain in stock location , but must have approved hold down.

Roll Cage and Safety

1. A minimum 4 point roll cage is required. 1 1/2" OD, .095" thick. Two angle braces from top of roll cage may be connected to the back of car, no further back than the back seat. No bars through the firewall. All cars must have approved roll bar padding on driver's side of car, above drivers head and on side bars. Roll bars must be bolted or welded to the floor board or frame.
2. All cars must have 4 left side door bars.
3. All cars must have a 1"x2"x.120" wall thickness rectangular tubing rub rail, bolted through the body, running the entire length between the front and rear wheel openings. Must be mounted flush against the body at the height center of tire and each end cut at an angle with no sharp edges.
4. An approved 5-point racing harness is required. The date must remain on harness and can be no older than three years since manufactured.
5. An approved aluminum, high back racing seat is required. Seat must be mounted to an approved seat mount.
6. A working fire extinguisher is required, Must be mounted with in drivers reach.
7. Driver must have a full fire suit, gloves, and an approved racing helmet.
8. Age requirement is 14 and above, unless approved by the race director.