

## SECTION 12 – 2010 KINROSS SPEEDPARK FOUR CYLINDER DIVISION RULES

Please read the general rules in addition to these division specific rules. Some duplication and/or discrepancies may arise and if so you are asked to contact track officials for an official ruling.

Please note – any driver not meeting the specifications listed below **WILL NOT** be permitted to compete in this division. There may be a one-week grace period, or penalties assessed for some specifications not met. These decisions are at the discretion of the tech officials and/or track officials and are not up for discussion.

**\* TRACK RESERVES THE RIGHT TO CONFISCATE ANY PART, OFF ANY CAR, AT ANYTIME FOR ANY REASON. IF IT'S ILLEGAL, DON'T BRING IT TO THE TRACK.**

**\*\* JUST BECAUSE IT IS NOT WRITTEN, DOES NOT MEAN YOU CAN DO IT.**

**GENERAL** - These rules are set to provide for this to be an inexpensive class for the novice racer as well as the experienced racer. This class is designed to give the entry level person the opportunity to experience the thrill of racing as well as provide the experienced driver who cannot afford more expensive classes, the opportunity to continue to race.

This is a production division, and, unless specifically listed below as an allowable modification, **YOU CAN NOT CHANGE OR MODIFY THE CAR OR PARTS IN ANY WAY.**

This is **NOT** a "bump & run", demolition derby, or enduro. This class is officiated, and treated, no different than any other division at the Kinross Speedpark.

In an effort to promote even competition, tech/track officials may impose sanctions, modifications or handicapping as they may see fit. If a car continues to dominate the class, Speedpark officials may add weight to the car.

**This class is meant to be entertaining and fun.**

**FEES** – Registration for the Four Cylinder Division is \$30 U.S. (one-time fee). For registered driver's a weekly pit pass will be \$10 U.S. while non-registered drivers will be required to pay the nominal weekly fee of \$25.00. (Only one person may claim to being a car's driver each night to receive the \$10 admission. A co-driver or second driver will be required to pay the normal admission fee as described above). Trophies are awarded to the Top 3 in the A-Main feature event.

**CLAIMER RULE** – This division is a "claimer" division. This rule has been designed and maintained to keep this class as a cheap and affordable form of racing.

The top 5 cars in each feature event will be subject to claim by any driver finishing on the lead lap. Claim money must be presented to a tech official, or race director, within 5 minutes of the completion of the feature event. This fee must be cash, and can only be presented by a registered Four Cylinder driver competing in this division, on the said night.

Claim fee is \$1200 U.S. outright or \$600 U.S. exchange.

- Claim includes complete car minus safety equipment (racing seat belts, window net, fire extinguisher, racing seat, fuel cell).
- Refusal to comply with a claim request will result in expulsion from this division permanently
- Kinross Speedpark, and the Sault Area Racing Association, reserve the right to claim **ANY** car, for **ANY** reason at **ANY** time.
- All sponsors will remain on the claimed car for the remainder of the current race season
- Driver must have raced 3 nights during the current season at the Speedpark before they may claim or be claimed
- No claims can occur on the final two nights of the regular season or the night prior to mid-season championship

## CAR ELIGIBILITY

- a. 1966 and newer, American or Foreign, front wheel and rear wheel, three or four cylinder, non-turbo charged, single overhead cam, no carburetor adapter plates, passenger cars, station wagons, and compact trucks. Four-wheel drive trucks are allowed as long as one drive shaft is disconnected (either front or rear). **MINI-VANS ARE LEGAL.** No 2-seats (e.g. Fiero's, Honda CRX), no convertibles allowed.
- b. Maximum wheelbase is 104 inches, with the exception of station wagons **and pickups.**
- c. **IMPORTANT\*\*** If you are considering building a Four Cylinder we highly recommend you receive pre-registration approval prior to doing so. Due to the many makes and models available for use, restrictions may be added to any specific make or model to maintain fair and equal competition. To contact SARA please call 906-630-9584 or e-mail [gliiscumb@hotmail.com](mailto:gliiscumb@hotmail.com)

## BODY/CHASSIS

- a. Body and frame must match the same make, model and year
- b. Front and rear firewalls must be original and in stock locations.
- c. All holes and openings in the firewalls must be covered in metal
- d. No pedal extensions **that places the driver behind the b-pillar. (tech's discretion)**
- e. All body panels will remain stock from front to rear.
- f. All glass, interior and exterior, must be removed.
- g. Any material burnable in the driver's cockpit area must be removed.
- h. Cars must have **full** windshields in good condition. Approved lexan only if there is a full cage. Three minimum 1/8-inch steel bars required with 4-inch spacing with lexan.
- i. All exterior trim must be removed.
- j. Folding seats must have seat back securely fastened to prevent folding.
- k. Doors must be chained or welded shut; **WELDING IS HIGHLY RECOMMENDED!!**
- l. Any car with a hatchback can weld or bold the hatchback solid.
- m. Hood and trunk must be secured with hood pins for easy accessibility; OEM latches must be removed or disabled.
- n. Fenders may be trimmed (if not excessive) to remove rust out. Excessive cutting and removing of body metal will see the car in question subject to weight penalties as tech/track officials see fit.
- o. Stock appearing bumpers required. Bumpers may be welded into place. Bumper ends may be capped and have supplemental attachments to the fenders which prevents the hooking of bumpers.
- p. Windshield wipers are recommended to be left on all cars.
- q. Spoilers not to exceed 4 inches in height and max width of trunk lid.
- r. Non-functional hood scoops are allowed.
- s. **FRONT AND REAR TOW HOOKS OR CHAINS ARE MANDATORY!**

**SPECIAL NOTE** – This division may run in either direction around the track, in any race, on any night. **BE PREPARED!**

## WEIGHT

- a. All cars will be weight following the feature, with driver and helmet in car, in racing position.  
Rear wheel drive cars – 2,500 lbs  
Front Wheel driver with 2 valve per cylinder engine – 2,350  
Front Wheel driver with 3 or 4 valve per cylinder engine – 2,450
- b. Added weight must be securely fastened with minimum 1/2inch bolts, painted white and include the car's number on them.
- c. Any additional ballast placement will be at tech/track officials discretion.

## WHEELS/TIRES

- a. Stock OEM tires.
- b. 60, 65 or 70 series **radial** tires allowed.
- c. No made for racing tires (e.g. Hoosier Dot).

- d. All 4 tires must be the same size.
- e. Minimum treadwear rating of 200. (Minimum treadwear rating of 300 as of 2011 season). No altering of tire wall. The treadwear must be visible. If treadwear is not visible, the tire is not legal.
- f. 1" lug nuts recommended.
- g. No aluminum wheels allowed.
- h. Safety wheels can be used but you are not allowed to increase your treadwidth by using big offset wheels.
- i. Maximum allowable camber allowed is as follows:
  - 13" rim = Right Front 1" – Other three corners 3/8"
  - 14" rim = Right Front 1 1/16" – Other three corners 1/2"
  - 15" rim = Right front 1 1/8" – Other three corners 5/8"
 \* Camber measurement will be made with a level from the top of the rim bead to the bottom of the rim bead. Modifications are not permitted to allow the above-mentioned camber.
 

**\*\* these specifications have been checked and equate to 4 degrees on the RF and 2 degrees on the other three corners**

## **BRAKES**

- a. Must have 4-wheel hydraulic brakes in working order.

## **MUFFLER**

- a. Functional steel oval seamed muffler REQUIRED.
- b. No glasspacks or performance mufflers.
- c. **Max. exhaust 2" O.D. from exhaust manifold to muffler. Immediately following muffler, max. 1 5/8" I.D. for final 18 inches (Technical Bulletin 2010-7)**
- d. No exhaust leaks.
- e. Removal of catalytic converter allowed.
- f. Loss of muffler will be grounds for black flag.
- g. Maximum 100 Db at 100 feet.

## **STEERING AND SUSPENSION**

- a. Must be factory stock and in stock location with no alterations and must match year, make and model.
- b. No adjustable struts/shocks.
- c. Hex wheel is permitted.
- d. Power steering is optional.
- e. Spring rates must be equal left to right (LF=RF and LR=RR). No modifications.
- f. Stock trackwidth.
- g. 6" minimum ride height to the lowest part of the frame. This will be checked with the driver and helmet in car, in racing position.

## **ENGINE**

- a. Engines must be stock for make, model and year of car. No mixing and matching.
- b. Intake, throttle body and carburetor must be factory stock.
- c. All cars must pull 18" of vacuum at 1000 RPM hot or cold.
- d. No altering or add-ons to electronics. MUST BE STOCK. See tech if you are required to replace an item in this area.
- e. Stock OEM camshaft only **for make, model & year.**
- f. Waterpump and alternator drivers must remain stock and intact.
- g. NO headers allowed.

## **TRANSMISSION**

- a. Stock automatic & stick shifts only.
- b. Stock converter with no alterations for automatics. OEM style clutch for manuals.

- c. Must have working forward and reverse gears.

### **COOLING SYSTEMS**

- d. Any stock radiator allowed which will fit in the stock brackets.
- e. 180-degree fan shroud required.
- f. An overflow container mounted in engine compartment is required.
- g. No anti-freeze; water only in radiator.

### **FUEL TANKS**

- a. Cars without the fuel pump mounted in the tank must use a cell or marine type tank mounted in the trunk floor with a minimum of two (2), 1 inch by 1/16 inch straps in each direction, bolted through the floor using doubler plates or installed in a safely constructed manner between the frame rails.
- b. Trunk mounted tanks must be sealed off from the driver's compartment by a metal plate.
- c. No bottom draw tanks.
- d. Maximum 8 gallons.
- e. Cell required on wagons.
- f. Cars equipped with electric fuel pumps must install a toggle type switch, clearly marked in a bright contrasting color, at the base of the drivers "A" pillar. Mercury switch is also required for electric fuel pumps.
- g. If fuel tank is in front of rear axle you can leave it stock.

### **BATTERY**

- a. The battery may remain in the original factory location provided it is in a safe location and securely mounted. If the battery is relocated, it may only be relocated to the trunk, or trunk area. Batteries mounted in the trunk area must be secured by two 1" metal straps. No batteries mounted in driver's compartment.

### **ROLL BARS/CAGE**

- a. Minimum 6 point cage is mandatory (full cage recommended), constructed of at least 1.5 inch OD, .095 inch side wall roll car steel tubing (seam split resistant, cold rolled or seamless; see anyone experienced in building roll cages). No exhaust pipe tubing or water pipe! Cage must be welded or bolted to the floor pan. It is highly recommended that roll cage be welded with 1/8 inch steel plate and bolted to the floor pan using double plate under floor pan. **MAKE ROLL CAGE A PART OF YOUR CAR!**
- b. Driver's door protection will consist of at least three roll bar type bars welded to roll cage and covered with a minimum 18-inch by 24-inch by 1/8-inch thick steel plate or 18-inch by 24-inch by 1/3-inch aluminum plate.
- c. Footplates are to be 10-inch by 30-inch by 1/3-inch aluminum are required.
- d. All cages/driver protection devices will be allowed the tech. Officials discretion.
- e. No offset cages.
- f. **ROLL CAGES ARE SUBJECT TO TECH/TRACK OFFICIALS APPROVAL AND THEIR DECISIONS IS FINAL. CAGES WILL BE TECHED.**

### **SEAT BELTS / SEATS**

- a. Seat belts must be secured to the roll cage.
- b. Race seats secured with **3/8**-inch bolts are mandatory.
- c. All seats and belts are subject to tech. Officials approval; tech decisions are final!

### **FIRE EXTINGUISHERS**

- a. Each vehicle must be equipped with a charged 2-pound minimum BC rated steel fire extinguisher with gauge; mounted in an approved quick release bracket within reach of driver. NO duct tape or zip ties will be allowed.

## **RADIOS**

- a. C.B. radios, PA systems, stereos with kick @\$ \$ amps are all encouraged, but must be properly fastened.
- b. ENTERTAINING TYPE REPLICA PAINT SCHEMES SUCH AS NEXTEL CUP CARS, LAW ENFORCEMENT VEHICLES (excluding lights) ARE ENCOURAGED.

## **IMPORTANT**

- a. Only the items listed may be changed.
- b. No other updating, predated, interchanging or modifying will be allowed.
- c. This means every item must remain as delivered from the manufacturer.
- d. On items of limited production the baseline model shall be used to determine legality.