

**Parkland Racing Association Inc.**

**MINI STOCK RULES 2010**

**A. VEHICLE**

1. "NO" TRUCKS.
2. a. Car must be an original manufactured vehicle produced for passenger use.  
b. Any U.S. or import manufactured compact passenger car, 1960 or newer, full frame or unibody.  
c. Bodies must retain 100% stock measurements. Doors must be welded/or bolted shut. Body panels including hood cannot be removed All rust holes should be covered with sheet metal.
3. a. Stock front and rear bumpers only.  
b. "NO" roll cage may protrude outside of these bumpers.
5. a. "NO" loose objects in driver's compartment.  
b. "NO" ballast mounted in driver compartment.
6. No engine or transmission cooling devices in passenger compartment.
7. Fenders may be radiused for tire clearance.
8. Stock dash may be replaced with sheet metal with all edges rolled.
9. Tow hooks or chains must be mounted in front and rear of the car in contrasting color.
10. Minimum weight requirement as follows:
  - a. 1.0 pound per cubic centimeter of engine displacement for 2 valve cylinders.
  - b. 1.1 pound per cubic centimeter of engine displacement for 3 valve cylinders.
  - c. 1.15 pound per cubic centimeter of engine displacement for 2 valves per cylinder with fuel injection.
  - d. 1.2 pounds per cubic centimeter of engine displacement for 3 valves per cylinder with fuel injection.

**B ROLLAGE**

- 1 All rollage material must be a minimum of 1.66 OD steel tubing with a minimum of .095 wall thickness. All jounts must be welded three hundred sixty degrees.
- 2 All rollages must be attached to the frame with a minimum of 4 mounting points. No part of the rollage may protrude from the bodywork.
- 3 The main hoop behind the driver must have a minimum of one horizontal cross brace. Drivers helmet must be below rollage.
- 4 A bar must be added to the centre of the roof hoop for added protection.
- 5 3 horizontal drivers' side door bars must be used with a minimum of 2 vertical supports per bar continuing down to frame. 1 bar must be used on the passenger side of driver's compartment.
- 6 One dash bar is required running horizontal between doorposts.
- 7 Drivers side pillar bar is mandatory.
- 8 One bar is allowed to run through the front firewall, on the drivers' side, for leg protection.

9 No tubing, pipe, or any other form of reinforcement is allowed in front of the firewall, or rearward of the rear firewall.

## **C SAFETY**

1 All seats must be bucket, no bench seats allowed, mounted securely to the frame and cage, with back support. Steel or aluminium racing seats are recommended.

2 All cars must have a padded headrest.

3 Seat belts are to be racing type 5 point 3" width mounted securely to frame, seat frame, and roll cage. All belts must be mounted as per manufacturer's specifications, and be in good condition. Must be SFI rated and be replaced as per SFI date code on tag. (Maximum 5 years old)

4 It is recommended that the shoulder harness be mounted slightly above the shoulders.

5 Driver's side quick release window net is mandatory mounted securely to the rollcage.

6 All cars must have a windshield or screen (maximum 2" square x minimum 10-gauge wire, or equivalent) with 2 minimum 5/8" bars in the centre of opening.

7 Battery must be mounted securely in the engine compartment, in the factory location. The battery may not be mounted in the driver's compartment or in the trunk.

8 Fuel tanks must be mounted inside the trunk, and be securely fastened. No tanks larger than 15 gallons allowed. Boat tanks are allowed. Fuel cells are recommended.

9 All cars must have an operable 2 pound minimum fire extinguisher mounted in a quick release bracket in reach of the driver at all times.

10 Drivers must wear a minimum of fireproof coveralls and leather gloves; racing gear strongly recommended. Minimum DOT approved helmet; SA 2000 recommended.

11 Each car must have a clearly labelled kill switch which is easily accessible from outside the car.

12. A hood is mandatory at all times

## **D. SUSPENSION**

1. Shock absorbers must be mounted in stock location.

2. "NO" weight jacking devices or any other type of suspension modifications allowed.

## **E. ENGINE**

1. a. Must be factory type for vehicle for vehicle

b. Fuel injection allowed with roll over shut off.

c. Cam in block or single overhead cam engines with carburetor to maximum 2300 cc engine displacement, fuel injected

engines are limited to a maximum displacement of 2000 cc.

d. Engine must be in original mounts in original location and chained for safety.

e. Cylinder Head can be maximum 3 valves per cylinder.

- f. Compression test on engine must not exceed 175 psi.
- g. Intake manifold vacuum must be no lower than 12" HG at 650 RPM.
- h. "NO" dual overhead cam engines.
- 2. a. Carburetor may be any two barrel carb with 390 cfm max.
- b. Maximum 1" adapter plate allowed.
- c. Fuel injection type and components must be factory OEM for engine used, all components must be unaltered from the factory configuration.
- d. "No" Holly 4412 or high performance, upgraded stock or aftermarket carburetors.
- 3. a. Only OEM exhaust manifolds allowed.
- b. "NO" aftermarket or homemade headers allowed.
- 4. Cars must be self starting.
- 5. "NO" turbo chargers.
- 6. Factory available ignition components for make of engine.
- 7. "NO" rotary engines.
- 8. "NO" electric fuel pumps without oil pressure shut off switch

### **F. CLUTCHES**

- 1. Stock OEM clutches only.
- 2. All clutches must be equipped with scatter shield, blanket or minimum of 10 gauge X 6" band around tunnel securely fastened to floor board.

### **G. RADIATORS**

- 1. Must be in stock and in stock location.
- 2. Overflow tank required.

### **H. TIRES AND WHEELS**

- 1. a. Maximum rim width 7".
- b. Maximum rim dish will be no more than 4.5" for RWD and 2.5" for FWD cars.
- c. Dish measured from outer of nut mounting flange to outer bead flange (not bead lip).
- d. "NO" aluminum or mag rims.
- e. Must be mounted correctly.
- 2. a. Maximum 60 series tires.
- b. "NO" ground grips or racing tires.

### **I. BRAKES**

- 1. Mandatory 4 wheel brakes.
- 2. "NO" shut off devices