

## ADAMS COUNTY SPEEDWAY

Corning, Iowa

### 2010 PRO STOCK (formerly Pro Street/Pro AM class) **RULES & SPECIFICATIONS**

(Changes from prior year are **bold and underlined**)

#### ROLL CAGE & FRAME

All cars must have a four point roll cage welded to the frame. Must use .095 -inch tubing, at least **1.50" O.D., recommend 1.75" O.D.** for main cage and door bars. A minimum of 3 door bars on driver's side, and 2 bars on passenger side of car. No off set cages allowed. Fuel cell protection required. All bars front and rear must be inside body. Drivers head must not protrude above roll cage when strapped into seat.

Driver's side steel door plate, 18 gauge or .049" minimum thickness must cover area from top door bar to rocker panel and from rear down post to five inches in front of seat. Must be visible for inspection.

No jeep, bronco, SUV, or 4 wheel drive type frames allowed.

No tubular frame components. Stock stub and frame rails with the exception of rear frame rails (behind driver) may be replaced with 2"X3" tubing.

You may stub a unibody car. Inter-marriage of frames will be allowed.

No shot ballast, sand, liquid, or any other material shall be added to inside of frame rail.

Minimum wheelbase will be 104". New style GM cars must replace stock rear torque arm with a solid upper link, 20" maximum length, center to center. The mounting point on top of the rear end cannot exceed 3" to center of mounting hole. The angle of the bar cannot exceed 15 degrees with the car at rest with driver in seat. No tolerance. OEM panhard bar and lower control arms may be reinforced or replaced with steel, non-adjustable (for height or length) bars/arms of the same length. Trailing rods must be OEM. **All new style cars must add 100 pounds over their required weight.**

You may use 1988 - 1996 Cutlass, Grand Prix, Lumina, Regal, or Monte Carlo body on 1978 -1987 GM

Frame must be a minimum of 4 inches from the ground at all points.

#### SUSPENSION

Front suspension and steering must be unaltered OEM in stock position and be replaceable by OEM parts. Heavy duty parts allowed. All suspension parts must be steel except where noted.

Weight jacks must be in original center line of spring. Weight jacks permitted on both front and rear of car.

Upper and lower A-Frames must remain in stock position. Upper A-frames can be stock or tubular non-adjustable.

Lower A-Frame cannot be altered or moved.

Rear frame may be altered to except leaf or coil springs, provided they are in stock location.

Limited to one spring per wheel only. All coil springs must be a minimum of 4 1/2" O.D.

Front safety hubs allowed on both sides.

One shock per wheel allowed. Racing shocks allowed. No horizontal mounted shocks.

No coil over shocks allowed.

Steering box must be steel OEM and in stock location, and use original bolt pattern for frame used.

Rack and pinion steering is allowed. Steel steering shafts and knuckles only.

Steering may be altered to suit driver, but must be kept on left side of car.

Collapsible steering shaft allowed.

No devices allowed that would enable the driver to adjust or alter the wheelbase or for weight jacking the car while in competition. No air shocks or air bags allowed.

No pan hard bars allowed.

Trailing arms must remain same length as OEM. No shortening of trailing arms allowed. No offset bushing.

Rubber or Urethane bushing only.

#### TIRES & WHEELS

**IMCA Hoosier G60-15 are only tires allowed.**

No softening or conditioning of tires allowed. Tire grinding and siping allowed.

For regrooving of tires see sample in pits.

Only factory built 15" X 8" steel wheels only. Wheels will not exceed 8" in width.

Bead lock and wheel disc allowed on right rear only.

#### DRIVETRAIN

Automatics, 3 speeds, or 4 speeds allowed.

All automatics must remain in OEM case and stock appearing. Must have a scatter shield or blanket. Scatter shield should be constructed with .25" by three inch steel, 270 degree around flex plate. No 5 speeds allowed, in and out boxes, or quick change devices. Cars must have at least one forward and reverse gear. Driver must be able to engage transmission with motor running. Cars must start under their own power without being pulled or pushed.

- 1 Car must leave initial staging area on demand, unaided, or go to rear of that race.
- 2 All manual type transmissions must have a standard OEM case and have clutch inside an explosion proof scatter
- 3 shield.
- 4 Clutch, single disc, or multi disc clutches allowed.
- 5 Drive shaft must be steel, with a minimum O.D. of 2". Drive shaft must be painted white.
- 6 Steel yokes and joints only. A 360 degree drive shaft loop required and must be made of at least .25" X 2" steel
- 7 strap, or 1" tubing. Loop must be mounted 6" behind front u-joint. Rear chain required on rear of driveshaft.
- 8 Rear end, any approved OEM rear end allowed. Passenger car or truck rear ends allowed. Floaters permitted. NO
- 9 aluminum allowed, except lowering blocks, axle caps and drive plates. Welding of rear end gears allowed. Mini or
- 10 full spools allowed. Aluminum or steel spools allowed.
- 11 Brakes, Four wheel hydraulic brakes in good working order are mandatory. All calipers must be OEM. No
- 12 lightening allowed.
- 13 Disc brakes allowed on front or rear. All components must be steel.
- 14 Adjustable brake bias allowed. (Front to rear only)
- 15 Steel brake lines and steel braided hoses are required. All brake lines must be visible.
- 16 Aftermarket pedals allowed. No traction control devices of any kind allowed.
- 17

## 18 ENGINE

- 19 All engines used in competition must be able to be used in a conventional passenger car without alterations.
- 20 Casting and fittings must not be changed or altered. No machine work done on the outside of the engine block.
- 21 All engines will compete with a compression ratio no greater than 11.0 to 1, with no tolerance allowed.
- 22 Engine sizes will be limited to 361 cid for GM/AMC and 364 cid for Ford and 370 for MOPAR.
- 23 No big blocks allowed. Inter-marriage of engines to frames allowed.
- 24 Engine must be mounted in stock position. Furthest forward spark plug hole must be a minimum of 2" ahead of the
- 25 center of upper ball joint. No engine off set allowed.
- 26 Aftermarket motor mounts allowed.
- 27 Carburetor rule: One 4412, two barrel carburetor required. Must pass track tech tools for 4412 carburetor.
- 28 1.5" maximum height carburetor spacer including gaskets.
- 29 Intake Manifold, the following are the ONLY allowed intakes allowed.
- 30 Edelbrock part # 5001 or 2101 on SB Chevy                      Edelbrock part # 5076 or 2176 on MOPAR
- 31 Edelbrock part # 5081 or 2181 on Ford Winsor 351           Edelbrock part # 2760 or 2181 on Ford Cleveland 351
- 32 Edelbrock 2915 for Chrysler                                      Edelbrock 2701 and 2716 for GM
- 33 Edelbrock part # 5021, 7121, 7181, or 7183 on Ford 289 or 302
- 34 Weiland GM7547-1, Ford 7515, 8023, or 7516 Chrysler 7545
- 35 B and A Track Boss on Ford Winsor/Cleveland
- 36 All above listed aluminum intakes must remain unaltered and unpainted. No modifications allowed of any kind.
- 37 Steel OEM engine blocks only. No aluminum blocks allowed.
- 38 Any steel OEM or aftermarket heads with an intake runner of 200cc or less allowed.
- 39 No aluminum heads. OEM valve angles only.
- 40 No titanium engine parts allowed, except valve spring retainers.
- 41 Screw in studs allowed. Stud girdles allowed.
- 42 OEM or Roller / roller tip rocker arms allowed.
- 43 Solid Flat tappet camshafts and lifters only. No roller cams or lifters allowed. No mushroom lifters.
- 44 Any piston allowed.
- 45 Aluminum water pumps allowed.
- 46 Engine must be self starting.
- 47 No dry sump oil systems allowed.
- 48 OEM Pushrod style fuel pumps only. No electric pumps.
- 49 Top and bottom of air cleaner housing must be metal.
- 50 Headers; Must be mounted in a way to direct spent gases away from driver. No Zoomies or 180 degree headers
- 51 allowed. Mufflers are mandatory.
- 52

## 53 FUEL

- 54 Pump gas including E-10 to E-85 ethanol or racing fuel permitted. No methanol, nitrous oxide, nitro, or any
- 55 oxygen bearing additives allowed.
- 56 Fuel line in drivers' compartment must in a pipe or conduit and be painted red and have the word FUEL on it.
- 57 Racing fuel cells mandatory and must be mounted by at least two solid steel straps 2" wide around fuel cell. Fuel
- 58 cell must be enclosed in a steel container and must be mounted behind the rear axle and between the rear frame
- 59 rails, no lower than centerline of rear-end, protected by roll cage tubing.
- 60 Protective tubing must cover the rear and extend past both ends of the fuel cell. All lines must come out of the top
- 61 of the fuel cell and must have check valves in return and vent lines to prevent leakage in the case of a rollover. No

1 vented caps. Racing fuel cell is mandatory with maximum capacity of 22 gallon. Fuel cell must be mounted in 18  
2 gauge steel container.

### 4 **WEIGHT RULE**

5 Minimum weight 3150 pounds after race with driver. No tolerance.

6 All weight must be in block form of no less than 5# blocks. All weight must be securely fastened to frame with at  
7 least two grade 5 or better 1/2" bolts. No redi-rod. No welding bolts to cage allowed.

8 Clamp on weight brackets recommended.

9 All weights are to be painted white with car number on them.

### 11 **BODIES & BUMPERS**

12 All bodies must be steel or aluminum and stock appearing

13 Stock appearing aftermarket nose pieces allowed.

14 No station wagons, convertibles, front wheel drive, or rear engine cars allowed.

15 No altering or channeling of the body allowed. Hood and deck lid must remain stock appearing and be securely  
16 fastened.

17 Factory type spoilers allowed. 6" maximum material and deck width only.

18 No wings, rudders, skirts, or anything that alters the appearance of the car will be allowed. Hood scoops allowed  
19 maximum height of 3".

20 Firewall between driver and engine can be moved but can be no further back than the "A" pillar. All holes must be  
21 plated over. Flat steel .049 minimum firewalls permitted.

22 Firewall between driver and fuel cell must remain in tact and all holes covered.

23 All glass, plastic, upholstery, rear seat, lights, mirrors and chrome must be removed.

24 All doors must be securely fastened shut. Interior must remain open. No tinning in. Floorboards must be in place,  
25 but may be replaced with suitable and approved materials. (Nothing less than .049 steel)

26 Trunk floor may be removed or altered enough for fuel cell clearance.

27 Fenders may be trimmed for tire clearance.

28 Front inner wheel wells may be removed.

29 Front and rear bumpers may be stock or fabricated. No sharp edges. Side rub rails optional, but must be rounded  
30 on each end and be mounted with round headed hardware.

31 All cars will have a tow hook on front and rear.

### 33 **DRIVER'S COMPARTMENT**

34 Complete floor pan required - minimum .049 steel. Aluminum high back seats only and must be bolted in next to  
35 the left side frame rail.

36 Seat must be mounted to frame and cage not to the floor pan. Bottom of seat can be no lower than the bottom of  
37 the frame rail. Driver must be completely sealed off from racetrack, driveline, engine, fuel cell, canisters and  
38 pumps.

39 Accumulators cannot be mounted between driver and left side door bars.

40 No mirrors allowed.

### 42 **ELECTRICIAL**

43 Battery operated ignitions only. No magnetos or crank triggered ignitions allowed.

44 No more than one coil.

45 Approved only transmitting or listening devices in cars. No timing retard controls. No electronic monitoring  
46 computer devices capable of storing or transmitting information except tachometer.

47 No adjustable ignition control boxes.

48 Only change allowed to ignition box is one high end rev-limited setting. This setting can be changed through one  
49 chip only, or an internal setting inside box.

50 Only one ignition box allowed.

51 One 12-volt battery only, must be in a marine-type case securely mounted to frame or roll cage in a metal frame  
52 behind the seat or in trunk area.

53 Car must be able to start under its' own power, without being pulled or pushed.

### 55 **IMCA COMPLETE OPTION**

56 Any car competing under the complete IMCA Stock Car rule package can compete at their weight and with a 350  
57 cfm carburetor. Complete rule package means "complete."