

FLAMBORO SPEEDWAY

2008 Mini Stock Rules

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MINI-STOCK RULES 2008

NOTE: This class is intended to take a stock four-cylinder production car and install a roll cage and go racing. The interpretation of the rules will be solely up to the judgement of the officials in charge and the officials' decisions will be final. Any part of car not specifically covered must remain as it came off the regular production line. Stock parts are those found in model/year OEM parts book as used by the general public. If it is not in the rules, then you better check with the officials before you make any changes.

Any participant who refuses to allow tech officials to inspect their car will be subject to the following:

Any competitor who fails to tear down a car for inspection when requested to do so by an official will be disqualified from the event, lose all points and prize money from that event, For handicap purposes, you will be credited with a feature win.

Any participant found to be illegal and disqualified from an event will not receive points or prize money for that event. If found illegal on a double features night, the car will be declared, illegal for both races and will not receive points or prize money for either race. For handicap purposes you will be credited with a feature win.

2nd infraction for deemed illegal or technical issue. You will be disqualified from the event, lose all points and prize money from that event, and total loss of all accumulated points to date.

Flamboro Speedway reserves the right to confiscate any illegal components at any time.

Flamboro Speedway reserves the right to alter or amend these rules at any time in the interests of safety, cost control or fair competition. The safety of each racecar and all equipment is the complete responsibility of the driver/owner, and the driver/owner acknowledges this responsibility by participating in any racing activity at Flamboro Speedway.

1. Body Style:

Open to 4 cyl. cars with no larger than 2500 CC. engines. Cars may be front or rear wheel drive. No mid or rear engine cars. All turbo options must be changed or car will be disallowed. Must have stock wheelbase as factory listed for that year/model. Race cars must be complete and presentable in appearance at the beginning of each race.

2. Body Appearance:

Body must be stock appearing. All chrome mouldings, ornaments, door handles, glass or plastic components must be removed except grille and windshield. Original rear wheel arches must be retained. Inner roof panels must be stock (no gutting).

Hood, trunk lid, or hatch can be gutted. No aluminum body panels. On hatchback models the rear deck/hatch lid must remain (except glass). **Maximum 5" spoilers allowed no side supports.** If door skins or fenders are replaced with body steel, they must be stock appearing. Race cars participating in racing events must be presentable in appearance at all times. Cars that are considered improperly

prepared may be rejected by the Technical Committee at any event. Race cars must be complete at the beginning of each event. Any cars considered unsafe to driver, competitors, staff, or fans will be rejected and not allowed on the track. Car may not be shortened or lengthened in any way.

3. Battery:

Must be anchored securely and in a spill-proof container.

4. Brakes:

Stock four wheel hydraulic brakes in good working condition are compulsory and are subject to test and inspection.

Pedal must be in original position. Four wheel disc brakes allowed if stock for that make, model and year.

5. Bumpers:

Bumpers are required and must be present and secure at the start of each heat or feature. Bumpers must be mounted in stock position/height. Safety chains recommended. Homemade bumpers are subject to approval and must be covered with a stock bumper cover. No sharp edges on bumpers. Ends must be turned in. If stock cover is removed, sharp edges must be removed or covered.

6. Carburetor/Fuel Injection:

One factory stock carburetor or fuel injection setup for that make, model and year. Throttle must have two return springs. Maximum stock two barrel carburetor (may remove choke), Must use stock air cleaner with filter element, in induction air cleaners. **Cars originally equipped with fuel injection may opt to use an intake manifold and carburetor set up from older model.**

7. Chassis and Suspension:

Stock only with no modifying of parts. No devices to raise or lower car or stiffen suspension. **No turbo car sway bars.** No racing or lowering springs. No racing struts or shocks. **Replacement shock or strut list price cannot exceed dealer list price. OEM or stock replacement springs only** must be the same size and spring rate from side to side. **Stock rubber bushings only. No polyurethane, nylon, steel, or brass bushings.** No sway bar adjustment. Sway bar mounts and links must remain stock. Body and frame must be over 6" ride height without driver in car. Wheelbase must be within $\frac{1}{2}$ " from side to side. Stock track width must be maintained. No camber on rear wheels. **Maximum camber on right front wheel must be less than 1-3/4" off the level as measured at the bottom and top of the rim for front wheel driver cars, and 1 1/4" for rear wheel drive cars. The upper strut mount holes may be elongated to achieve camber no other modifications.** Camber on left front wheel must be within manufacturer's specifications.

8. Doors:

Must be welded or bolted securely. Doors must not be cut down.

9. Drive-line:

Must have steel 360 degree retaining hoops 7" X 2" positioned at the front and rear of the driveshaft within 6" of each U-joint (rear wheel drive only). No chain hoops. Driveshaft must be painted white.

10. Engine:

Must be stock 4 cylinder. No larger than 2.5L (2500 CC). **Must have stock compression ratio.** Must be original size for that year, make and model. No performance parts. No head work or customizing. Max. .030" overbore. No rotary, or 16 valve engines. No 8 sparkplug heads. No Ford roller rockers.

Camshaft is to be stock for engine being used. No long duration camshafts allowed. No adjustable cam sprockets or offset keyways allowed.

Engine must not exceed 190psi per cylinder (NO EXCEPTIONS).

12 Valve handicap: All cars with 3 valves per cylinder must run a weight of 0.1 lb. per CC. EG (1500 CC must run a 150 lb. weight). All penalty weight will be located between front and rear firewalls and be securely fastened to the car.

Electric fuel pumps can be used with inertia or oil pressure switch.

11. Exhaust:

Must exit under and behind driver and outside sheet metal or out right side door below a raised floor (see Firewalls and Floor). Stock manifolds only. Maximum 2 1/4" OD pipe. Single exhaust only.

12. Fire Control:

Cars must have an approved fire extinguisher mounted in an approved mounting bracket and within driver's reach with seat belts fastened. Fire extinguisher must have gauge and if the extinguisher is older than 3 years, it must have a recharge slip dated within 2 years. Treated coveralls or fire suit mandatory. Approved fire suit highly recommended. Stock hood and trunk latches must be removed and replaced with quick entry hold-downs.

13. Firewalls and Floor:

Original front and rear firewalls must be maintained. All holes must be covered with minimum 22 ga. sheet metal either welded or riveted in place. No sheet metal screws allowed. The right side floor pan may be raised to allow installation of exhaust.

14. Frame:

On uni-body cars, front and rear frame sections may be joined for added strength. No X frame supports.

15. Fuel:

Cars may use street legal unleaded pump gas with no additives or **you may use only racing fuel from Flamboro Speedway with no additives.** No NOS allowed.

16. Fuel System:

Cars equipped with a carb and mechanical fuel pump, neoprene or steel fuel line must be securely fastened under the floor. On cars with electric fuel pump, the fuel line must be steel or high pressure neoprene, in good condition and must run inside a protected area or inside a steel conduit. The fuel line on the pressure side of the fuel pump must be high pressure neoprene or steel. No copper lines. No plastic or glass fuel filters. Cars with an electric fuel pump must have a kill switch marked in red, which shuts off power to the fuel pump and a relay switch which shuts off power to the fuel pump on low oil pressure or loss of ignition.

17. Fuel Tank:

Must be securely mounted in trunk compartment between the frame rails and no lower than the rear axels. Hatch-back models require a latching, accessible compartment/firewall to be constructed of a minimum 22 ga. steel to house fuel tank. Trunk floor must remain in car. Maximum tank capacity is seven gallons. Any size fuel cell allowed, within reason. Fuel cell highly recommended. Fuel must not leak from tank if car is over turned. Gas caps must seal, and vent line must have a check valve.

18. Ignition:

Stock distributor or stock ignition allowed. Stock coils only. Charging and starting system must be operating. Ignition switch must be painted red.

19. Interior:

All flammable material must be removed except driver's seat and stock dash (dash optional). Bucket seat with a side support or racing seat must be used and must be securely mounted. Seat must be positioned completely to the left of the center of the car. Aluminum racing seats are highly recommended. Fibreglass racing seats are not recommended and if used must be in good condition and have a steel frame which prevents seat breakage. A solid head rest is mandatory and is subject to test.

20. Paint and Lettering:

All cars must be neatly and brightly painted. Numbers assigned by the track must be painted legibly on both sides of the car and on the roof a minimum 18" high and 2" wide numbers, (read from right side) in a color offering distinct contrast to the color of the car. No trick numbers. No gold or silver numbers. All cars must have their number in white (min. 3" high) on the upper right hand corner of the windshield for line up purposes.

21. Radiator:

Must be in stock location and include a one-gallon metal overflow can mounted ahead of the firewall. Radiator must fit under the hood. No anti-freeze allowed. Stock rad fans only.

22. Rear Ends:

Welded stock rear ends allowed. Must be in stock location and mounting. **No limited slip or posi. differentials. Open differentials will get a 100lbs. weight break.**

23. Roll Bars/Cage:

Full roll cage with a minimum three door bars on the drivers side and two door bars on the passengers side is mandatory.

A minimum of two uprights are required between each door bar. Main cage must be constructed of minimum 1 3/4" OD .095" wall tubing. Door bars and door bar uprights must be a minimum of 1 1/2" OD .095" wall tubing. If inner panel is removed on driver's side then a min. of four door bars, extending into the door, must be used. Uni-body cars must have a one square foot by 3/16" plate under the uprights or the uprights must be attached to the sub frame. Uni-body cars must have a bar running horizontally between the uprights at floor level. If front and back hoop is used it must be installed in such a way as to ensure it will not entrap or injure driver if it moves. Front and rear hoop may not be wider than the frame rails. Minimum 3" clearance recommended between driver's helmet and overhead roll

bars. All bars in the driver's area must be properly padded with an energy-absorbing, flame resistant material. All welds must be electric or Mig. welded. All main cage joints must have minimum .125" thick gussets. If door bars are less than 1 3/4"OD tubing, then all door bars joints require gussets. No pipe fittings allowed. No heating of tubes to form bends. Scrub rails are not counted as door bars. If scrub rails are used, they must be securely mounted and have no sharp or protruding edges. Mount must be within 6" of front and rear of scrub rail. Carriage bolts only on scrub rails and scrub rails can protrude 1" out of body.

24. Racing Belts/Harness:

Racing belts/harness are mandatory. Minimum four point harness with one lap belt and two shoulder belts. No expiry date on the harness but they must be in good condition. Five or six point 3" harness including sub belt is recommended. Shoulder belts must be securely mounted to the roll cage. If lap or sub belts cannot be securely mounted to the frame, stock mounts or cage then minimum 3" washers must be used on the mounts to prevent pull through. All bolt mounts must be double nutted. Ensure that belts are not pinched when mounting them.

25. Safety Helmet:

An approved racing safety helmet must be worn in all practice and race events and until the car is parked in the pits. Snell approved helmet mandatory, minimum Snell 90.

26. Tires:

DOT approved radial tires with 215R maximum. 60,65, 70, 75 or 80 series tires only. **If 60 or 65 series tires are used 100lbs must be added to minimum weight.** No recaps. No light truck, ultra high performance, ice or snow, specialty or racing tires allowed. Passenger car tires only. No soft compound tires. Tread wear must be over 300. Anything less will NOT be allowed. All tires are subject to approval by Official in charge. No tire or tread cutting or shaving allowed. **All names, numbers and markings must not be removed if so tire will be illegal.** 13", 14" and 15" tires may be mixed.

27. Transmission:

Stock O.E.M. automatic or manual transmission for that make. Transmission must bolt in with stock mounts. Automatics must be stock with stock torque converters. Standards must be complete with all gears, with stock factory clutch, pressure plate and flywheel. No lightening of parts allowed. No transmission coolers in driver's compartment.

Automatic transmissions will get a 100lb. weight break.

28. Wheels:

No wheel spacers allowed. Right front rim should be reinforced or racing wheel. Maximum width of 6" from bead to bead. No aluminum, mag or homemade wheels allowed. Wheel from any make and model that safely fit may be used. Maximum of 1" offset from stock can be used but both front and rear must be the same offset. Both rims that are being used will either be negative or positive offset. Offset will be no less than 3" measured from back of rim to bolt face. No wheel weights allowed. Racing wheels will be allowed. Wheel offset won't allow tire to protrude past scrub rails on either side.

29. Wheel Clearance:

Trimming of fenders will be allowed if it is neat and there are no sharp edges. Excessive trimming is not allowed.

30. Windshield and Windows:

All windows must be removed except full front windshield. Windshield must be safety glass or Lexan. If Lexan is used, two safety bars must be installed. If the windshield moulding is removed, four windshield retaining slips must be installed. Driver's window net with quick release is compulsory.

31. Weight:

Cars must not have more than 53% of total weight of car on left side wheels including the driver. Weight must be minimum one pound for each cc. Of engine size, plus 200 pounds, **plus another 100 pounds if 60 or 65 series tires are used** plus any handicap, including the driver. No topping up of fuel after race, prior to weighing. All ballast weights must be painted white; securely bolted on with minimum two bolts and the assigned car number must be clearly marked on the weight. No liquid ballast. Minimum weight will be 2000lbs. plus handicap.

32. Flame Retardant Solution:

6oz. Boric acid, one gallon water, 9 oz, Borax. Soak in solution.

33. Claim Rule:

On complete engine. **Engine can be claimed up to 15 minutes after the feature for \$500. Engine may be torn down to check that it is legal. If illegal, all illegal parts will be confiscated and claimer has option to buy the remaining legal parts for \$250. If engine is legal \$100 will be paid from the track to claimer for gaskets. Driver of claimed engine will not be told who the claimer is.** Failure to sell claimed engine will result in being banned for the remainder of the season.

PERSON CLAIMING ENGINE MUST BE A PAID MEMBER AND PARTICIPAING ON RACE DAY.

Rule Book Disclaimer

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing evens and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events and by participating in these events all participants are deemed to have complied with these rules.

No expressed or implied warranty of safety shall result from publications of or compliance with these rules and/or regulations. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to participant, spectator or official. The race director shall be empowered to permit minor deviations from any of the specifications herein or impose any further restrictions that in his/her opinion do not alter the minimum acceptable requirements.

Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

The Management

FLAMBORO SPEEDWAY MINI STOCK PAY OFF

Each driver must be a registered member of the track in order to accumulate points. All drivers will draw for starting positions each night. All drivers will qualify to the feature race per the handicap and qualifying system as set-out by Flamboro Speedway. Drivers will receive a minimum 65 points for signing-in to race at each event, provided an attempt to run/race has been made (warm-up laps as a bare minimum; at least one qualifying race).

HEAT POINTS		FEATURE POINTS			
POS.	PTS.	POS.	PTS.	POS.	PTS.
1.	10	1.	100	13.	88
2.	9	2.	99	14.	87
3.	8	3.	98	15.	86
4.	7	4.	97	16.	85
5.	6	5.	96	17.	84
6.	5	6.	95	18.	83
7.	4	7.	94	19.	82
8.	3	8.	93	20.	81
9.	2	9.	92	21.	80
10.	1	10.	91	22.	79
11.	1	11.	90	23.	78
12.	1	12.	89	24.	77
				25.	76
				26.	75
				27.	74
				28.	73
				29.	72
				30.	71

TO QUALIFY FOR THE POINTS FUND YOU MUST:

1. Be a registered driver.
2. Driver's with 100% attendance including specials will receive full points fund. Over 75% receives 3/4 of points fund. 75% and under, receives 1/2 of points fund. 50% and under, receives 1/4 of points fund.
3. Point totals will be calculated taking your best 18 finishes from the total of scheduled events of the season. Completion of a minimum 18 dates will equal 100% attendance.

FEATURE PAY OFF 20 LAPS

POS.-	MONEY	POS.-	MONEY	POS.-	MONEY	POS.-	MONEY	POS.-	MONEY
1.	\$125.00	7.	\$50.00	13.	\$30.00	19.	\$25.00	25.	\$25.00
2.	\$75.00	8.	\$40.00	14.	\$30.00	20.	\$25.00	26.	\$25.00
3.	\$60.00	9.	\$40.00	15.	\$30.00	21.	\$25.00	27.	\$25.00
4.	\$60.00	10.	\$40.00	16.	\$30.00	22.	\$25.00	28.	\$25.00
5.	\$55.00	11.	\$35.00	17.	\$25.00	23.	\$25.00	29.	\$25.00
6.	\$55.00	12.	\$35.00	18.	\$25.00	24.	\$25.00	30.	\$25.00

TOTAL **\$1,140.00**

FLAMBORO MINI STOCK POINTS FUND (Base Amount)

1.	\$500.00	6.	\$162.50	11.	\$87.50
2.	\$300.00	7.	\$150.00	12.	\$87.50
3.	\$250.00	8.	\$137.50	13.	\$75.00
4.	\$200.00	9.	\$125.00	14.	\$75.00
6.	\$175.00	10.	\$100.00	15.	\$75.00

TOTAL: **\$2500.00**