

MOSPORT SPEEDWAY 6 OR LESS DIVISION RULES 2010

(Revised April 28, 2010)

The 6 or less division is for the individual participating in the sport of car racing as a hobby. The rules and restrictions are designed to prevent the costs from getting out of hand, giving each individual a fair and competitive chance. In this division the enjoyment of winning and feeling of accomplishment is just as exciting as in the faster more complex divisions.

This set of rules is designed as a basic guideline.

The interpretation of these rules will be solely the judgment of the Track/Tech Staff.

All cars running in a feature or qualifying event are subject to Tech inspection. Any cars being Teched will be allowed to have only Driver and (2) two others present in the Tech area. No one else allowed. Any harassment from any Driver and or crew members to the tech Staff or any other Track Official may result in an automatic disqualification. See General Rules.

Decision of Track Official is Final. Once Disqualified you will remain Disqualified.

Any car running illegal non stock parts will be disqualified. (Parts not allowed by Tech Staff.) No car will be permitted to compete in any unsafe mechanical condition.

Remember Stock means Stock. No Exceptions.

Anyone that has raced higher than a Thunder car will not qualify to compete in this class. All drivers must be approved by the Mosport officials.

TECHNICAL SPECIFICATIONS:

The word stock when used here in, shall mean unaltered as factory available and produced by the O.E.M. (original equipment manufactured) for the make, model and year of car being raced that excludes all aftermarket "high performance" parts and all decisions and rulings shall be based on data obtained from the Canadian Service Data Book and/or other O.E.M. specifications books.

The 6 or Less Division is open to any approved Ford, General Motors or Chrysler vehicle having a factory built motor of 6 or fewer cylinders and a displacement no larger than 4300 cc.

Cars may be front or rear wheel drive.

Any wheelbase is allowed.

Cars between 1980 and 1999 are allowed.

Cars that are not allowed: convertibles, AWD, 4WD, Twin overhead cam, Rotary engines, micro cars, mid or rear engines, 16 valve cyl heads (Neon), super charged or inter cooled engines. Pickup trucks are allowed. Only 2 valves per cylinder.

Cars being raced will be 2 or 4 door, hatch back or station wagon (approved only) automatic or standard transmission.

Body:

Body must be stock in appearance to the original vehicle and in stock position on frame, with no chopping, channelling, or sectioning. Body will be complete with all doors, fenders, hood and trunk, front and rear bumpers. Doors must be welded or bolted shut, No chrome moldings, no name plates, no front or rear lights, no door handles, no open roofs, no glass except windshield. Grill to be retained if possible. Any factory or after market spoiler is allowed. No sign boards. Factory hood scoops only, no after market scoops. Hood and trunk lid (hatch back) must not be skinned. Body may be skinned as long as body structure and bracing is maintained for strength. Body must be clean, neat (paint) and identified.

Bumpers:

Bumpers must be stock from make, model and year. Reinforcing behind bumpers allowed. Max. 1 3/4" outside diam. With max. .095" wall thickness (roll cage tubing). Bumpers to be mounted in stock position with no sharp edges. No cut offs. Chrome bumpers will be welded on.

All cars must be equipped with a cable or chain front and rear, strong enough to be lifted by a tow truck for towing purposes.

Doors:

Doors must be welded or bolted shut. Inner metal bracing to be retained unless full roll cage used.

Glass:

All glass will be removed except the windshield. Windshield will have (4) four safety clips, or be securely riveted in, no screens, no half windshields. Lexan may be used for a windshield, but must have a minimum of one center brace.

Stock Mirror:

3" X 10" max. No others. Mirrors must be in center of vehicle.

Wheel Openings:

Original wheel openings must be retained, but may be trimmed for tire clearance.

Rocker Panels:

Ground effects and skirts may be used. Lowering a vehicle is allowed but must be same at front and back of car. No tail draggers.

Scrub Rails:

Side bars allowed and must extend no further forward than the rear of front wheel opening and no further rearward than front of the rear wheel opening and must be flat to the door and a max. 1" X 2" steel. No sharp edges. When bolting on use carriage bolts, hex bolts will need to be countersunk.

Interior:

All upholstery materials, trim and padding must be removed with exception of the dash. Front and rear fire walls must have all openings and holes filled with sheet metal. Pop riveted, or welded only. No sheet metal screws. All holes in floor pan must also be filled. Original floor pan and firewall must be retained. No fuel or fuel filters or brake lines in drivers compartment. No foam. Dash may be kept.

Battery:

- 1a. In stock location.
- 1b. Behind drivers seat securely fastened and in spill proof container.
- 1c. Mounted securely in front of firewall in spill proof container.

NOT IN FUEL AREA.

Kill Switch Mandatory:

Kill switch is mandatory, use of a Ford solenoid is permitted. Must be clearly marked and in reach for safety personal. Switch must be in the main battery line. Switch must also kill power from the alternator.

Brakes:

Brakes on all four wheels must be working. No brake biasing, including valves, blocking, crimping of lines.

Rear discs allowed.

2 working brake lights must be mounted on rear trunk lid as close to the rear window as possible, or in factory spoiler with 2 bulbs.

Fuel Tank or Cell:

Fuel tank is to be securely mounted in its original position underneath the car, or can be mounted in the center of the trunk area with filler inside trunk. A fuel cell hoop is allowed for protection of the fuel tank.

The fuel tank must be separated from the driver's compartment by an all metal firewall.

No filler neck or fuel line is permitted inside of the driver's compartment. The gas tank must be firmly secured with steel straps to the floor of trunk.

Minimum of (2) two straps front to back, and side to side. Straps must be steel and a min. 1" x 1/16" flat strap.

All filler caps must be non vented, a separate line with a roll over valve must be used.

FUEL CELLS ARE HIGHLY RECOMMENDED with trunk mounting as above, in metal container.

- A fuel tank/cell protection hoop is allowed 1 3/4" X .095" tubing.
- hatchback models required a latching, accessible compartment/fire wall (a box) to be constructed of 22 gauge to steel house fuel tank. Trunk floor must remain in car.
- mechanical pumps must be stock.
- stock pump used in stock tanks.
- stock fuel pressure only.

External Electric Fuel Pumps allowed on fuel injected vehicle if fuel cell is used. Has to be approved by Tech Staff. Must have kill switch mounted by dash area and marked as such.

Neoprene and steel fuel lines highly recommended. No copper.

FUEL:

Pump gas or track fuel.

Shock/Struts:

Stock only. No racing shocks or struts. Stock gas shocks and struts allowed. Strut bracing is allowed.

Springs:

No racing springs. Stock location only. Heating or cutting of stock springs is allowed. Spring spacers are allowed but they can not be metal. No false strut or spring towers or tops.

Weight Jacking:

No weight jacking devices of any kind.

Seat:

Aluminum seats only. Seats must be securely mounted.

Seat Belts and Harness:

A quick release belt of not less than 3" in width and a 3" shoulder harness is mandatory.

A 5 point harness must be securely fastened to the cage or floor of the car with a minimum of 3/8 grade 5 bolts and large washers.

Contoured neck collar highly recommended.

No inertia or reel roll type seat belts.

Belts must be in good condition

Numbers and Lettering:

All numbers will be in a contrast color against the cars paint scheme.

See General Rules.

Vulgar words, expressions or symbols will not be permitted.

Cars must carry a large decal placed across the hood stating the brand of the vehicle. E.g. (Chev., Ford)

Wheels:

Any width or brand of wheel or tire. Cannot protrude out past the fenders. (This will be checked with a plumb bob.)

Intermixing of sizes is allowed.

Tires:

DOT approved radial tires. Speed ratio limited to S, T, U, H.

- no recaps, no snow tires, no biasply
- no shaving, no cutting of tires tread, no regrooving
- no tire doping, no tire softening agents
- can not have a tread wear of less than 320
- if either DOT approved or Tread wear is removed or altered from tire, it will be deemed illegal.
- directional tires allowed.
- minimum of 1/16" tread depth at center of tread at any time.

Transmission:

Any automatic or manual made for make, model and year of car being used.

- must be stock
- can not be locked or positraction
- reverse gear working
- automatic trans coolers permitted and not located in drivers compartment.
- factory stock clutch and flywheel.
- no welding of spiders.
- no spools or mini spools.

Drive Line:

Rear wheel cars will paint drive shaft white and will have (2) two 360 degree retaining hoops 1/4" x 2" positioned front and rear of drive shaft.

- no aluminum drive shaft.

Rear Ends: MUST BE STOCK AND CANNOT BE LOCKED.

Weight:

- 4 Cylinder minimum weight 2500 lbs. - with driver in
- 6 Cylinder minimum weight 2750 lbs - with driver in
- Cars with engines 3800 cc or larger 2900 lbs. - with driver in
- Maximum of 55% left side weight

When adding ballast to accommodate weight rule it must be located and bolted securely in the centre of car. Ballast may be moved rearward. To equalize field as much as possible, additional weight may be added to the feature winner and others if needed.

Radios:

No two way radios. Track one way radios only.

Fire Extinguishers:

All cars will have a 2 ½ lb. fire extinguisher with a steel or aluminum head, mounted in a steel mounting bracket and securely fastened, within drivers reach with seat belts fastened. Must have a service tag with a date of no less than April of current year. (See General Rules)

Window Net:

Window net is mandatory with a min. 3/8" steel rod with quick release.

Cooling:

- Stock rad in stock cradle only.
- Larger rads only if they fit stock cradle.
- No anti freeze
- Over flow can must be installed behind right front wheel at the fire wall, if possible.
- Electric fans may be used in all vehicles.
- Stock pulley setups only.
- Fan shrouds may be removed.

Exhaust:

Stock exhaust manifold only. No headers.

- mufflers are not required
- securely fastened
- no sharp edges.
- will not protrude past body.

Suspension/Frames:

All suspension and frame components must be stock for the make, model, and year of the car.

No modification of stock suspension locating points in any way.

- suspension may be adjusted for caster & camber
- strut brace allowed
- car will measure the same from side to side wheel base
E.g. Car is 105" on both sides
- frame connectors front to back, no cross bracing.
- maximum of 5 degrees camber on front and rear.

Frame Height:

Lowering of cars is allowed.

Steering Column:

Stock type collapsible column only. Center of steering wheel should be heavily padded. Quick release steering wheel coupler is allowed.

Roll Cage:

- a full 6 point roll cage of 1 3/4" O.D. tubing must be used .095" thickness.
- Cage will consist of a minimum of a fore and aft over head hoop with joining tubes, 2 braces toward the rear coming off the top of the rear hoop, 3 door bars on drivers side and 1 door bar on the passengers side. All welds must be strong and complete.
- No offset cages.
- No part of the roll cage may project outside the exterior sheet metal
- Padding in the driver area compulsory.
- Roll cage can not be used to support or strengthen the frame.
- No pipe fittings
- Electric Welding only
- No brazing

- Gussets may be used
- 3" head clearance.
- A front hoop is allowed.
- The front hoop may be attached to front frame rails.
- A petty bar may be used.

Engine:

Engines that were factory available for make, model and year being raced. Stock in all aspects. Stock air cleaner with filter.

Block Assem:

Engine must be 6 cylinder or less, must match make, model and year.

Engine will remain stock in every aspect. If it is not stock, it is illegal.

No exceptions.

Single cam only.

Cylinder Heads:

Stock, no modifications.

Intake Manifold:

Original OEM manifolds only

Ignition & Charging:

- Must remain stock in every aspect for make, model and year of car. (No aftermarket computers or chips.)
- Stock replacement parts only.
- No aftermarket high performance parts.
- Charging system all stock in stock location and fully functional.
- The track will be getting a code reader to do computer checks.
- If an illegal chip or computer is found it will be seized by the track and the track will get a stock one for the racer at his or her expense.

Air Cleaner/Air Filters

- After market air cleaners and air filters (K & N) allowed.
- Ram air or forced induction will not be allowed.

Weight

- Ballast weight can be placed anywhere in car to bring it up to weight.

Penalty Weight

Feature winner must add 25 lbs to that nights scaled weight. Weight will be placed 6" right of center of car but not any further back than drivers seat.

**** Drivers will be allowed to leave their race cars in the pit area during the week.

**** If it does not say that you can, chances are you CANNOT, so check with Tech before you do something you are not sure of.