



**MONADNOCK SPEEDWAY**  
**RTE 10 - WINCHESTER, NH**  
**603-239-4067 603-239-8800**

**"FASTEST HIGH BANK 1/4 MILE IN THE EAST"**

## 2010 MODIFIED RULES

These rules will be enforced to ensure all who participate an opportunity to be competitive. Anything not covered by these rules must remain OEM stock for make, model and year being used. All OEM stock or aftermarket replacement parts (if permitted) must meet OEM stock specification unless otherwise noted. Upon inspection, track officials may penalize, fine, suspend, withhold money, points, or disqualify any competitor for any rule infractions. **If a competitor is disqualified for using illegal parts, the competitor may lose all points accumulated prior to and including date of disqualification under the discretion of speedway management.** The use of carbon fiber or titanium parts are not allowed anywhere unless listed in the rules. Any questions regarding rules should be addressed to track officials, prior to assuming legality. **It is the competitor's responsibility to read and understand all rules. IT IS THE COMPETITOR'S RESPONSIBILITY TO DECLARE WHAT SERIES RULES AND ENGINE OPTION THEY ARE COMPETING UNDER. ALL RULES ARE SUBJECT TO CHANGE TO ENSURE AN EQUAL AND COMPETITIVE RACING DIVISION. Please note: There has been a revision under the head rule.**

### ELIGIBLE MODELS:

1. Any safe modified type racecar with a wheelbase between 104" – 110", no supers, no sprints or wings allowed.
2. Maximum treadwidth 84" when measured at wheel bead.

### BODY:

1. Cars must be neat appearing and all body styles and configurations must meet the approval of the officials.
2. All bodies must be installed on frame acceptable to officials. Stock steel roof is mandatory. The height of the rear quarter panel must be 36" maximum from the bottom of the rear spoiler to the ground. 44" maximum total high from the ground to the top of the spoiler.
3. Bodies must not extend below frame rails.
4. No skirts or additional metal may extend below the body.
5. All cars must have rear wheel openings on the left and rights sides no less than 12" radius from the center of the rear axle.
6. At least the top part of the hood is mandatory. Safety clips are required on both sides; front and rear. If sides are used, a minimum ground clearance of 2" is required. Hood must cover cowl and top part of the radiator with opening only for air cleaner and distributor.
7. No belly pans. A belly pan is defined as any object or material that alters the flow of air under the car. Determination of any material or object is or is not a belly pan will be up to the discretion of the officials. Bottom panel of the front nose-piece may not extend past the rear edge of the harmonic balancer.
8. No interior spoilers, wings or wind deflectors allowed. No double panels. All interior sheet metal is subject to approval of the officials.
9. Spoilers allowed. Must meet tech approval. Maximum of 8" height and no longer than 48", centered within the rear window pillars.

10. No sail panels on the body will be allowed.
11. Roof Height will be measured with driver. Overall height will be measured 6" back from the back lip of the windshield along centerline of the roof. Minimum 40". The rear of the roof at the highest point will be a maximum of 43".
12. "B" pillars must not extend above the height of the bottom of the rear spoiler.
13. Doors: Width - Minimum 43" maximum 45" when measured beneath the car at the rocker panels, at the front of the doors and just in front of the rear wheels. Length – Minimum 72" Maximum 78" when measured from the center of rear axle housing forward to the front most part of the door.
14. Quarter Panel (Width) Top – Minimum 49" Maximum 60" when measured across the body at the top rear most part of the quarter panels. Bottom- Minimum 58" Maximum 60" when measured between the outer edges of the rear quarter panels at rear bumper height. Quarter Panel (Length) – Minimum 34" Maximum 42" when measured from center of rear axle housing to rear most part of the body.

**Note: Exception to the above rules are pre 2001 chassis cars which are not subject to the full dimension listed above. These pre 2001 chassis will be "grandfathered" due to the difference in frame width. Exception must be approved by officials.**

### CHASSIS:

1. All front sub-frame assemblies must maintain a minimum of a 30 degree angle from the side frame rails up to the top of the subframe.
2. Floors must be complete in driver's compartment. Floors must be a minimum 1/8" steel.
3. Minimum frame and oil pan ground clearance on all cars is 2" at the lowest point.
4. A steel firewall must separate driver from fuel tank and engine compartments.

5. Firewall separating driver from engine compartment must not be any further back than the lower area below windshield opening.
6. All firewalls must be sealed on top, bottom and sides.
7. All front bumpers must be of rounded type, not to extend outward beyond the edge of frame more than 2" on each side.
8. Rear nerf bars may extend outward beyond the edges rounded off.
9. Bottom of front and rear bumpers must not be lower than 13" and not higher than 15".
10. Double side rails are mandatory and must extend outward to be flush with or up to 2" beyond edge of tires.
11. A fuel cell is mandatory. Maximum capacity is 22 gallons. Cell must be inside the body. Bladder maximum 5 years old. No plastic fuel cells. Must be centered within rear frame rails.
12. Fuel cell height from the ground a minimum 5" with a maximum ride height of 3 1/4" measured at the right rear.
13. Front spindles must be attached to the frame using tethers and must meet officials' approval. One tether per spindle.
14. No chassis adjustment controls allowed for example; hydraulic weight jackers attached to coil springs, sway bar, etc.
15. Shocks: Only non-adjustable or single adjustable shocks allowed. No remote or electronically controlled shocks allowed.
16. Only steel wheels are permitted.
17. 15" maximum width wheels.
18. Brake bias control allowed.

#### ENGINES / DRIVETRAINS:

1. Option #1: Rules as specified under the True Value Modified Racing Series.
2. Option #2: Rule as specified under the Whelen Modified Racing Series.
3. Option #3: GM Crate Engine P/N 88958604 (Fastburn 400) No modifications to engine except the allowance to update camshaft to any roller cam, rocker arm and lifter
4. Option #4: Engine Rule as specified under the SK Modified (Thompson, Stafford, Waterford, etc)

#### CARBURETORS:

1. Competing under the True Value Modified Racing Series Rules or Whelen Modified Rules, refer to the True Value Modified Racing Series Carburetor rules.
2. Competing under GM Crate Engine Option: Maximum 650 4-barrel carburetor. No modifications other than removal of choke butterfly and automatic transmission linkage. Changing of main jets, power valve, accelerator pump cam and discharge nozzles is permitted. Idle holes may be drilled in butterfly, screws may not be ground flush. Metering block must remain stock for the carburetor being used. Safety wire must be installed on power booster. (To be updated if needed to a ensure equal competition)

3. Competing under SK Modified Rules: Maximum 650 4-barrel carburetor. No modifications other than removal of choke butterfly and automatic transmission linkage. Changing of main jets, power valve, accelerator pump cam and discharge nozzles is permitted. Idle holes may be drilled in butterfly, screws may not be ground flush. Metering block must remain stock for the carburetor being used. Safety wire must be installed on power booster. (To be updated if needed to a ensure equal competition)

#### CYLINDER HEADS:

1. Competing under the True Value Modified Racing Series Rules or Whelen Modified Rules, refer to the True Value Modified Racing Series Head rules.
2. Competing with a GM Crate Engine P/N 88958604 (Fastburn 400) no modifications.
3. Competing under SK Modified (Thompson, Stafford, Waterford, etc) refer to the track rule.
4. **Cylinder Heads (steel headed engines) – Any GM, Ford, Dodge, Dart, World Product manufactured "cast iron" production cylinder head allowed. No porting, polishing, sand blasting, glass beading, painting, angle milling more than 2 degrees, or adding material to the head permitted. Valve size must remain stock, only normal valve machining & 1/2" maximum port matching allowed. Maximum intake valve size 2.080". Mutli-angle valve grinding permitted. Bowl work allowed up to 1/2" below top of valve seat maximum. Port matching allowed up to 1/2" on intake port, maximum. Polishing of combustion chambers only permitted. No reworking of exhaust ports. Steel or titanium valves permitted. Any valve spring permitted.**

#### WEIGHT:

1. Competing under the True Value Modified Racing Series Rules or Whelen Modified Rules, refer to the True Value Modified Racing Series weight rules and % rule.
2. Competing with a GM Crate Engine Option or SK Modified minimum weight 2575lbs with driver, 57% maximum left side. (To be updated if needed to a ensure equal competition)

#### SAFETY:

1. All Cars must have a steel rollcage, muse use a minimum of 1 3/4" OD x .090 tubing. Four horizontal bars are mandatory on the driver's side door, three on the passenger's side. Roll cage must be welded securely to the frame. Thread pipe, pipe fittings, and lap weld pipe are not permitted. All bars near the driver must be padded with a fire resistant padding. No foam rubber. Must meet official's approval.
2. All front and rear firewalls must be fully enclosed.
3. All cars must have an aluminum racing seat. Four bolts on the floor of the seat and two on the back. All seat frames must be mounted securely to the roll cage. Right side headrest mandatory. Choice of left

- side headrest, or auxiliary net mandatory.
4. Must have a minimum of a quick release 5-point safety belt with a 3" minimum belt width and harness. These must be securely mounted. Belts must not be more than three years old. No visible wear or tears allowed.
  5. Window net is mandatory. Window net must be in web style. The net must be secured to the roll cage with two steel rods or bars, with the top being of quick release design and must fall down when opened. All cars must have an arrow on the roof, lined up with the latch for the window net release. Latch must be forward and driver accessible. Window net must be in good condition and subject to official's approval.
  6. All steering wheel centers must be padded. Steering wheel stop is mandatory on steering shaft below top mounting point. Steering wheel quick release hub is mandatory.
  7. A fire suit is mandatory. Must be Nomex material, double layer and in good condition. Fire retardant shoes and gloves required.
  8. Snell or D.O.T. safety helmet is mandatory.
  9. A Hans, Hutchins, or G-Force device is highly recommended, or any SFI approved head restraint device.
  10. A fire extinguisher in working order must be securely mounted in reach of the driver, on board fire systems allowed but must have steel or copper lines.
  11. No fuel lines permitted in driver's compartment.
  12. Fuel tanks must be vented to the outside of the body through the rear panel.
  13. Fuel shut off, marked OFF and ON, must be in reach of driver and accessible to safety crews. A fuel shut off indicator with an arrow on the passenger side window ledge required. Arrow to line up with shut off valve.
  14. Steel or aluminum fuel filters only.
  15. No electric fuel pumps.
  16. No fuel additives or nitrous oxide. No antifreeze allowed. A non-antifreeze coolant type or water is allowed.
  17. Two throttle springs mandatory. Toe strap on foot throttle mandatory.
  18. All add on weight must be securely mounted outside the driver's compartment. They must be painted in white with the car number on them. If add on weight comes off during the race, the weight may not be added back to the car unless authorized by an official.
  19. Battery is not allowed in the driver's compartment and must be securely fastened down. Positive terminal covered. Cars must be self starting. Battery disconnect required. It must be marked "off" and "on" and accessible to safety crews from outside the car.
  20. All cars must have a drive shaft loops at the front and rear of the drive shaft positioned within 12" of each U-joint. Loops must be steel plate ¼" x 2 wide and be a full 360 degrees. All drive shafts must be painted white.

21. All cars must have a radiator overflow can.
22. All cars must have a working water temperature and oil pressure gauges.
23. Four wheel hydraulic brakes in working order are required.
24. Two way radios permitted.
25. Mirror allowed only in the middle of the car or in front of the driver. Side "peep" mirror allowed on left side only.

### LETTERING

1. All cars must be numbered. All numbers must be registered and approved. Numbers must be painted on both doors and roof. 18" minimum height. Roof numbers must be read from passenger side of car. Numbers must be painted on the right rear and on the right front. Numbers must be legible and contrasting to the color of the car.
2. Maximum two digit number, duplicate numbers not allowed.
3. All cars must be neatly painted. No obscenity will be allowed.

### TIRES:

1. The designated tire by the speedway will be the only tires allowed for competition and must be purchased through Northern Race Tire unless approved by track management. The tires will have a number system and will be recorded to identify their use at Monadnock Speedway. Tires without numbers must be shown to an official and have them labeled. Anyone found to deceive this system in anyway will be penalized. The penalty for deceiving the tire rule or using tire softener or tire conditioner (a.k.a. "tire soaking") is as follows: 1<sup>st</sup> offense - \$2500.00 fine and disqualification from the event, 2<sup>nd</sup> offense - \$5000.00 fine, suspension from Monadnock Speedway and NASCAR membership.
2. On the first race attended the team must register their tires by the numbers imprinted on the tires. A maximum of 8 tires may be registered. If you cannot purchase 8 tires, on the following weeks attended a team may add as many tires needed to reach the initial inventory of 8 tires. Once 8 tires have been purchased, no more than 2 tires can be added at an event or no more than 4 tires can be added within a two event period. Maximum inventory to be at the track is 8 tires and old tires must be removed from the inventory. If you do not attend an event, you may not add any tires to your inventory. There is no "banking" of tires.
3. Registration procedures are as follows: When you arrive at the track, the driver or crew chief must record new or used tires going into the inventory and hand it in prior to or at the driver's meeting. If you do not submit a tire registration card in time you will lose the right for any tire inventory changes for that event (we will base your inventory on the previous attended event) and may be penalized to start in the rear of the field for the feature event.
4. Each team can only bring 8 tires to the track each week and 4 tires for practice. You cannot run a heat,

consi or feature with any tire that is not registered in your inventory. If you have practice tires only that are not registered in the inventory, they must be marked practice on them. All tires except for practice tires must be left outside the trailer near your hauler in visible sight. The only tires to be left in the hauler are the tires marked practice.

5. In the event a new tire in inventory is damaged during a heat race, the tire may be replaced twice in a season and must be registered in your inventory if **approved by an official**. A competitor is only allowed to replace two damaged tire within the season.
6. Tires will be monitored with a depth gauge and durometer readings will be recorded. The officials will be taking these readings for their use only and using an average reading. If a competitor is found to be lower than the average durometer reading, the tires will be deemed illegal.
7. If the race is canceled for any reason prior to the feature, the registration cards passed in for the event will carry over to the following event and no tires can be purchased.
8. Tires can be confiscated at any time for additional testing by a Monadnock Speedway official. Refusal to give the tires to an official will result in disqualification from the event.
9. Tires can be ordered in advance through Northern Race Tire prior to the event but, must be picked up at the track on race day.
10. After ½ way through the season, new cars will only be allowed to purchase 6 tires (instead of 8) to start the inventory off. Competitors who compete at every event up to ½ way into the season may purchase 4 new tires (instead of 2) on a designated date, announced by management,