



2012 Ice Racing Rules

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A.M.E.C

The Adirondack Motor Enthusiast Club, Inc., (AMEC) is a not-for-profit club established in 1954 to provide motor enthusiasts and their families with a variety of affordable motor sports and related activities for fun and courteous competition. While we strive to promote safe and “gentlemanly” competition, we expect that all members, participants and spectators assume full responsibility for their own conduct, personal safety and damage to their own property during any event. We therefore also require that any driver, worker, or other participant read and sign a Release and Waiver of Liability and Indemnity prior to participating in an event.

AMEC strives to provide a reasonably safe environment for all of its members, their families, and any spectators attending its events by instituting rules and guidelines that apply to its drivers, workers, and spectators. This, however, does not signify nor imply any liability on the club’s part if injury or damage should occur. AMEC and its individual members assume no responsibility for bodily injury, death, or property damage due to the negligence or error of any club member, competitor, promoter, official, worker, spectator, sponsor, etc. Nor will AMEC assume responsibility while an individual is within an area of competition or other activity, and/or while competing, officiating, observing, working for, or for any purpose participating in or associated with, any given event.

A.M.E.C. MEMBERSHIP

All drivers and workers must be a current member of AMEC. Membership is \$20.00 for individual memberships and \$25.00 for family memberships (to include only one driver) per calendar year (January 1st through December 31st). Membership dues are non-refundable unless otherwise specified by the club officers.

Dues renewals will be due no later than the first Saturday following New Years Day of each calendar year (as corresponds with the AMEC Annual Meeting). All car numbers belonging to drivers who have not renewed by that date will be made available to other members. Any dues received after the date of the Annual Banquet will be subject to a \$10.00 late fee.

1. GENERAL REQUIREMENTS

- 1.1. All rules and their interpretations as well as race procedures including penalties are determined by race officials. Race officials' decisions are final.
- 1.2. Entry is restricted to four-wheel vehicles, foreign or domestic, conforming to the following specifications (No trucks or Sport Utility Vehicles will be entered to race):
- 1.3. Wheelbase not to exceed 110 inches.
- 1.4. Width not to exceed 72 inches.
- 1.5. Maximum race weight for Menard/studded class cars is 3000 pounds. Class A (Super-Modified) cars must have a minimum weight of 1000 lb. (Scratch-built cars must produce weight slip if requested by tech inspector). Maximum weight for Street Legal class cars is 3200 lb; SL4 class weight limit is 3400 lbs.
- 1.6. All cars must be self-starting.
- 1.7. Spill pillows or other absorbent material must be placed under each race car while it is parked to prevent fluid spills on the ice.
- 1.8. All cars must display the AMEC website address (www.icerace.com) in the form of an approved bumper sticker.
- 1.9. All cars must start each season with a neat and clean appearance. All previous damage such as dents and rips must be smoothed out as much as possible. Duct tape is not permissible. Paint should be applied as necessary to achieve a satisfactory appearance.

CAR COLOR

- 1.10. White or other light colors as the predominate color of the car are not permitted. The visible front and rear of a car must be over 50% of a medium or dark color so the car can be seen in a white out during the race.

BUMPERS

- 1.11. All full bodied Menard class cars must either be equipped with stock bumpers or no bumpers at all. Stock bumpers may be trimmed as long as the remaining section has no sharp or dangerous edges. If bumpers are removed, their supporting brackets must be removed also so as to leave no sharp edges.
- 1.12. Bumpers that have cut ends or stock blunt ends must have a smooth end cap of durable material (i.e., metal or a cut section of a tire).

NUMBERS

- 1.13. Drivers who are current members will be assigned a number of their choice pending availability. All entries in the future will receive only two digit numbers. Previously issued single digit numbers will be "grandfathered in". Number(s) of choice should be designated on the membership form sent out to the previous year's membership in October of each year. The number should be at least 10 inches high with two-inch strokes on a contrasting background that extends at least three inches on all sides of the number. The numbers must

be clearly visible to timing and scoring personnel. Numbers must be displayed on both sides, front and rear of the car, and must meet the approval of the tech inspector

- 1.14. Race cars will NO LONGER have to have a suffix letter after their race car number to designate your class as was done in the past.
- 1.15. NOTE: A car number that has not been used in competition for 2 consecutive years becomes available by default to anyone requesting it even if the member has paid his/her yearly dues.

HELMETS

- 1.16. SNELL 2000 or newer helmets are required and must be worn at all times when on the race course. The helmet must be presented at tech inspection. Eye protection is not required but strongly suggested.

TOW HOOKS

- 1.17. Tow hooks, front and rear, not extending past the bodywork and firmly attached to the car frame are highly suggested. Tow hooks greatly reduce the possibility of damage.
- 1.18. *Note: Neither AMEC nor tow vehicle operators will accept responsibility for any damage to racecars with or without tow hooks.*

FUEL TANKS

- 1.19. All fuel tanks must be in a safe position and firmly mounted. Fuel tanks and filler necks must be completely enclosed, and behind a firmly mounted metal partition away from the driver.

BATTERIES

- 1.20. Batteries must be securely mounted. Batteries located in the passenger compartment must be an approved battery containment box with a cover to prevent spillage in case of accident.

TIRES AND WHEELS

- 1.21. All class cars may run any size wheel and any tire. Tires and wheels may be of any width, diameter and offset, as long as the shoulder of tire tread remains within the bodywork.

FUEL

- 1.22. Any pump fuel or race fuel is allowed. No "exotic" fuels will be permitted. Only additives whose purpose is recognized to be as a gas line antifreeze, octane booster, or engine lubricant (2-cycle) will be permitted.

EXHAUST SYSTEMS

- 1.23. Mufflers are required on all cars. Maximum dB at 25 feet is 95 dB under racing conditions. dBs allowed will probably be reduced in future years.
- 1.24. Exhaust systems on all class cars may be run overhead through the hood. Holes in the hood should be trimmed and kept to a minimum around the exhaust pipes. Whatever the location of the exhaust system, fumes must not be allowed to reach the driver. Approval is to be up to the discretion of the chief tech inspector.

LIGHTS

- 1.25. All cars (except SL and SL4) must have a 55w (or greater) YELLOW QUARTZ HALOGEN LIGHT (fog light) or BLUE LED LIGHT (think police car) mounted outside at the lower rear
- 1.26. window level or higher and clearly visible to any following car. If you do not have a working quartz halogen light or blue light you will not race.
- 1.27. All cars (except SL and SL4) must have a bright red LED properly operating stoplight mounted outside the car. Brake light must be mounted at a minimum height of the base of the rear window (or roof) and mounted outside the car. This light must be operational at all times. Other than original equipment, rear lights may be substituted on all class cars but must be clearly visible to any following car. Headlight and any other glass lenses should be taped. Original equipment lights may be removed, but the holes must be covered with solid, durable material.

FIRE EXTINGUISHERS

- 1.28. Fire extinguishers are mandatory in all class cars and must be in good operating condition, fully charged, and securely mounted within reach of the driver. It must be at least a 2½lb dry-type extinguisher mounted in a fire extinguisher holder with a steel strap and latch.

MIRRORS

- 1.29. A rear view mirror is required in all cars. Either externally mounted or the preferred mirror is a long version racing mirror installed inside the race car.

2. GENERAL MENARD CLASS SPECIFICATIONS

SEAT BELTS

- 2.1. All seatbelts MUST be 2007 SFI or newer tagged harness

ROLL CAGES

- 2.2. Roll cages are required in all class cars, except SL/SL4/SLM (see roll cages Section 7)

3. TECHNICAL INSPECTION

- 3.1. All cars must arrive at tech inspection ready to race. This includes firmly attached numbers, empty trunk, no loose objects in the passenger compartment, no hubcaps, taped headlights, working brake light and anything else required to make the car conform to all rules. Any tires that may be used must be presented at technical inspection. In addition, all drivers must have spill pillows with them at tech inspection. All cars must present a neat and clean appearance. All cars must pass tech inspection before they are allowed in either practice or competition. Once a car has passed tech inspection, it is expected to conform to all rules throughout the meet. Officials will make spot checks. If you feel that any car has been altered so it does not meet all rules, please notify the chief tech inspector.

4. DRIVER

Duties

- 4.1. Each driver is expected to work while not racing at least once throughout the season. Each driver should indicate when and where s/he would prefer to work upon arrival at the racecourse. Work detail may be assigned by the Course Marshall or other Official to ensure that all positions are covered throughout each race day. A driver may find a substitute for a work assignment if s/he is unable to help out.

Registration

- 4.2. Registration will be from 8:30 a.m. to 10:00 a.m. on race day. The entry fee for SMO, SMC, MM, SL, and SL4 class drivers is \$ 50.00. Open, SS, and SLM class drivers must pay \$ 35.00 per race day. A \$5.00 late fee will be charged for anyone registering after 10:00 a.m. Refunds of entry fees will only be given upon cancellation of a race.
- 4.3. SS and SLM drivers are eligible for participation in the finale for an additional registration fee of \$15.00.
- 4.4. Drivers, crewmembers, and workers must sign the required insurance waiver at registration before entering the pit area.

Eligibility for Drivers Age 18 and Under

- 4.5. Drivers in classes SMO, SMC, MM, SS, SL & SL4 must be at least 18 years of age and possess a valid driver's license. Drivers 16 or 17 years-old with a valid drivers license may enter a Modified or Stock Sportsman class vehicle in an Open class race only; a parent or legal guardian must be in attendance at registration and for the duration of the race day and must sign the release located on the registration form.
- 4.6. Talented, experienced drivers 14 to 16 years of age without a driver's license may enter an M or SS class car in Open Class only. To do so, the following conditions must be met:
 - 4.6.1. A copy of the driver's birth certificate must be kept on file with the registrar.
 - 4.6.2. The driver must be experienced and have at least one letter of recommendation from an official racing institution or racetrack stating the level of experience attained and overall driving skills in motor sports such as go-kart, stockcar, slingshot, or other form of racing.
 - 4.6.3. Driver must have written consent from both parents or legal guardians; if one parent or guardian is deceased or otherwise unable to provide consent due to location or disability, then one parent's consent will suffice.
 - 4.6.4. Both parent(s) or guardian(s) must sign the liability waiver at registration each race day.
 - 4.6.5. At least two AMEC officers must provide written approval for the driver to participate.
 - 4.6.6. All track officials will provide strict supervision of the driver at each race attended. Until the driver reaches 16 and/or obtains a driver's license, s/he will be on probation. The

driver may be directed to leave the track at any time by way of a black flag or be prevented from starting in a heat race or entering on a race day if they have been deemed a hazard to themselves or other drivers. A suspension of participation may also be imposed as appropriate until the driver is able to participate at a level sufficient for safe competition.

4.6.7. A SNELL 2000 or newer full-face helmet, neck brace, safety-approved racing uniform and safety-approved set of racing gloves must be worn at all times while driving in the race car or in the pits.

4.6.8. All other general and class rules apply.

Driver Entries

4.7. A driver may enter more than one class (providing the classes entered are not in the same heat race) if s/he pays an additional entry fee. For example, a driver may not run in SMC and M classes simultaneously. A driver may drive different cars in separate heat races if the cars meet the requirements for each class entered. Cars and drivers must run as registered. Any driver found racing a car other than that in which s/he registered will be disqualified. Any changes after registration must be cleared through the chief steward and Registration/Timing and Scoring personnel. Deviation will only be allowed under extenuating circumstances.

Conduct

4.8. The driver is responsible for the conduct of his pit crew. Any conduct deemed detrimental to the well-being of the club and its members will be grounds for suspension from participation in racing and/or withdrawal of club membership at the discretion of the officers.

4.9. Drivers must not be under the influence of alcohol, drugs (prescribed or otherwise) or any substance that may have an effect on the physical or mental ability of the driver. NOTE: The above applies to crewmembers, workers, officials and anyone else directly involved with the operation of the racing event.

4.10. Although contact between cars is discouraged for all classes and may result in penalty according to the discretion of the chief flagger and corner workers, any and all contact between Street Legal cars and Stock Sportsman will be subject to penalty. The car(s) determined to be at fault will be disqualified from the heat race at the discretion of the corner workers/chief flagger.

Equipment

4.11. All racers must bring their own spill pillows (at least two for each race day), an empty bucket and shovel for removal of spilled fluids from the ice. Plastic or cardboard is also recommended for underneath tow vehicles and racecars. All competitors must clean up any spilled materials or trash and remove it from the lake. Any competitor violating this rule will be penalized by suspension for one ice-racing event on the first offense.

Passengers

- 4.12. Passengers are only allowed during practice sessions, and must have prior permission from the Chief Steward. Only individuals 16 years-old and over may be in the passenger seat. They and their parent/guardian must also have signed the release form/insurance waiver at registration.

Practice

- 4.13. Practice is mandatory for all new drivers.

5. **WORKERS**

- 5.1. The chief steward will determine the number of workers needed and the positions they will fill. Workers may be reassigned or relieved as needed. Non-driver workers are volunteers. No compensation is provided; however, this does not preclude the club or any of its members from giving gifts of gratitude to the workers.
- 5.2. Drivers, crewmembers, and workers must sign the required insurance waiver at registration before entering the pit area.

6. **RACE PROCEDURES**

Drivers Meeting

- 6.1. All drivers must attend the drivers' meeting at the start of each race day!

Practice and Race Group order

NOTE: The Practice/Race group order is subject to change at the discretion of the officials!

- 6.2. Practice order:

- 6.2.1. Modified (SMO, SMC & MM)
- 6.2.2. Sportsman and SLM
- 6.2.3. SL and SL4
- 6.2.4. Modified (SMO, SMC & MM)

- 6.3. Race order:

- 6.3.1. SL and SL4
- 6.3.2. Super Modified Open
- 6.3.3. Super Modified Closed and Modified Menard
- 6.3.4. SL and SL4
- 6.3.5. Stock Sportsman, SLM, and Open
- 6.3.6. Super Modified Open

- 6.3.7. SL and SL4
- 6.3.8. Super Modified Closed and Modified Menard
- 6.3.9. Stock Sportsman, SLM, and Open
- 6.3.10. Finale

Gridding

- 6.4. Handicapped starting positions in each class for the first heat race of the day will be determined by inverting the race season driver's cumulative point standing. The top 6 positions will be inverted in the grid.
 - 6.4.1. Exception 1: First race of the season starting positions in each class will be picked at random. All first time ice racers will start at the end of the line-up for this race.
 - 6.4.2. Exception 2: For consecutive day events (e.g., Lake George Winter Carnival), the second days' starting positions will be determined by inverting the top six drivers in each class from the results of the second heat race on the first day. Positions 7, 8, 9, etc., will start as they finished (by class) in the second heat race of the first day.
- 6.5. Late entries and drivers who did not register for the previous race day will start in the rear of the race class. Their positions will be determined in the order of registration on race day.
- 6.6. The overall finish of the first heat race, regardless of the class, will determine the second heat race starting positions of the race day. All drivers disqualified in the first heat race will start last in the second.
- 6.7. The Finale starting positions are determined from results of the second heat races regardless of class. SMO & SMC Class drivers will start ahead of MM class drivers in the finale. All drivers disqualified in their second heat race start last in their race group.
- 6.8. All first time ice racers are encouraged to start from the rear. This is voluntary.
- 6.9. SL and SL4 will run 3 race events.

Start of Race

- 6.10. A rolling start will be used. Cars will line up two abreast. Cars will proceed in an orderly fashion around the course to the starting line where the chief flagger will start the race (provided the course is clear and the cars are lined up in good order).
- 6.11. There will be no passing until cars have passed the start/finish line. All restarts from a full course caution will be single file except for the first aborted (original) start at the green flag.

Heat Races and Finale

- 6.12. All SMO, SMC & MM cars will run 2 heat races per day. All qualifying cars will run one finale race at the end of the day; there may be more than one finale subject to the number of class entries and class distribution. Race officials will determine the length of heat races and the finale race according to time constraints and track conditions. There will be no finale for Open and SS classes.

Car or Driver Substitutions

- 6.13. All car and driver substitutions should be given to registration personnel at registration (8:30-10:00 am) on race day or to the grid marshal, chief steward, chief flagger, or scoring personnel prior to a race.
- 6.14. No car substitutions, except in Open class, may exceed eligibility for the class in which the driver expects to accrue points. No Modified cars may run in Stock Sportsman for example.

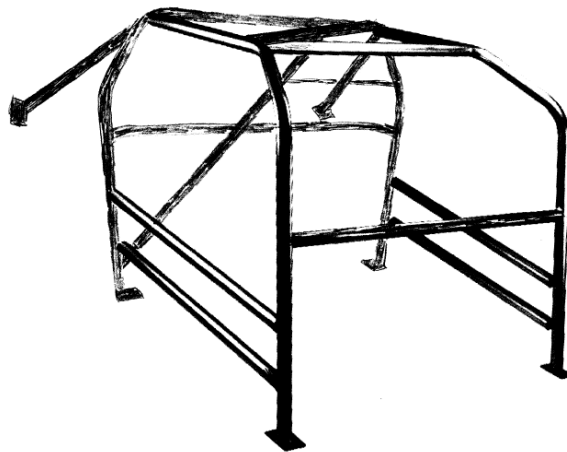
Protests

- 6.15. Any protest should be made within 15 minutes after the subject race and submitted to the Chief Steward. Driver protests need not be in writing. Protests on technical violations shall be specific as to the nature of the violation and be submitted in writing.

Violation of the Rules

- 6.16. 1st Violation - A first violation will result in disqualification from the race, loss of points for the race and start the remaining races of the day in appropriate class from the rear.
- 6.17. 2nd Violation - A second violation will result in disqualification from the race, loss of all points for the weekend, and suspension from the following weekend.
- 6.18. Blue Flag Violation - Points will be forfeited for any driver who hits another car that is stuck in a snow bank after the blue flag has been displayed.
- 6.19. Black Flag Violation - Any reported contact with a pylon will result in a black flag and a stop and go penalty.

7. Roll Cages



- 7.1. Roll cages must be made of regular steel tubing (.095 hot roll) used in all classes (except SL,SL4) and not less than 1½" O.D. tubing.
- 7.2. No threaded pipe fittings are allowed. Corner welds must have steel gusset plates of no less than ⅛" thickness. The cage must be full width and not lower than the driver's helmet.

- 7.3. For all classes, (except SMO and SLM) the minimum required roll cage is a 6-point cage that includes a front and a rear hoop connected top and side with a diagonal on top from right front to left rear (unless head clearance necessitates left front to right rear). The rear roll hoop will be braced back to structure in the rear of the chassis with two angled rear bars. Minimum of two side bars driver side and one bar passenger side. It is recommended that a diagonal cross brace be installed in the rear hop of the cage.
- 7.4. All roll cages must be padded in the head, arm and leg area of cage.
- 7.5. Prefab and bolt in kits are at the discretion of the head Tec inspector.

8. CAR CLASSES

8.1. STREET LEGAL CLASSES: SL, SL4, & SLM

- 8.1.1. Street Legal classes require any original stock cars able to pass NYS safety inspection for street use and meeting the General Requirements in Section 1 of the rules. All cars competing in the Street Legal classes SL & SL4 must have a dedicated winter tire (i.e., a snow or ice tire such as Blizzak, Nokian, etc.) on all four wheels with at least 50% tread depth remaining. NO All Season Radials may be used.
- 8.1.2. All cars shall be as produced and available in the US and at least 500 made by the manufacturer. No stock equipment or parts may be removed, excepted as per engine rule 8.1.3, unless they were available as an option on that particular vehicle at the time of purchase. The only exception is removal of the A/C system. Some interior parts may be minimally altered (but not removed) to allow installation of safety equipment. Disconnection of air bags while racing is optional.
- 8.1.3. Engine updates within same vehicle manufacture is allowed as long as remaining stock appearing.
- 8.1.4. The exhaust system may be replaced with an open system and muffler that runs in the stock location and exits in the stock location. Exhaust must meet the 95dB rule.
- 8.1.5. The following suspension and body modifications are permitted: camber plates, suspension-lowering kits, trunk spoilers, and ground effects kits.
- 8.1.6. The tech inspector may reject cars with significant body damage, primer, or rust.
- 8.1.7. Unstudded SL and SL4 class tires shall be run as delivered from the manufacturer. No modifications to the tires are allowed, including any kind of tractionizing.
- 8.1.8. In order to run for the Bridgestone award money, Blizzaks must be run on all four wheels for all of the season.
- 8.1.9. Stock type 3-point belts may be used, but a 4-point competition harness is highly recommended. The tech inspector should be consulted as to proper installation of such harness.
- 8.1.10. Street Legal maintains a no contact rule per 4.13, Any contact is subject to penalty as determined by race officials.

- 8.1.11. It is permitted to remove the rear seat only. Remaining interior must remain stock.
- 8.1.12. SL cars will be numbered 0-00 thru 09- 1 thru 59. SL4 cars will be numbered 60-99
- 8.1.13. SLM class cars use Menard/studded or screw tires. This class serves as a “stepping stone”, or introduction to the full-studded Menard-type classes A through E. SLM class may enter two, or four-wheel drive vehicles.
- 8.1.14. SLM cars are based on Street Legal Class rules (i.e., complete interior, AC delete, etc.). Car may use Menard ice racing tires or screw tires as outlined in the Stock Sportsman Class.
- 8.1.15. SLM cars must have a four-point roll cage, a rear fog lamp, and a four point racing seatbelt. Side bar protection is recommended. Disconnecting the air bag is optional. As with all SL cars, SLM cars must be able to pass NYS safety inspection.
- 8.1.16. SLM will race with SS and Open class and pay the same entry fee.

8.2. STOCK SPORTSMAN CLASS (SS)

- 8.2.1. All cars retaining the original body shape. Cars must be based on eligible stock class cars with stock engines and stock suspension.
- 8.2.2. All cars must conform to the General Specifications listed in Section 1 of the rulebook. All cars must be only 4 cylinders with a maximum displacement of 2600cc. (2.6l)
- 8.2.3. Adding of ballast to a car in SS will not be permitted.
- 8.2.4. No rotary engines.
- 8.2.5. No turbo or superchargers allowed.
- 8.2.6. Only two (2) wheels drive cars.
- 8.2.7. Six (6)-point roll cage as specified in the roll cage section of the rulebook. SS cars are required to install a minimum of one door bar.
- 8.2.8. No race fuels allowed, pump gas only, maximum 93 octane.
- 8.2.9. No locked (welded or spool) differentials allowed. Factory installed stock limited slips allowed.
- 8.2.10. Suspension geometry must be unmodified. Stock or OEM type replacement shock absorbers allowed.
- 8.2.11. Sway bars are free.
- 8.2.12. Strut area supports front and rear are free.
- 8.2.13. Methods for adjusting camber/caster are free.
- 8.2.14. Engine modifications. No internal or external engine modifications permitted.
- 8.2.15. Exhaust must have the stock exhaust manifold and front pipe MUST remain, no headers allowed.

- 8.2.16. Stock air box or cold air intake is allowed.
- 8.2.17. The drivers' seat may be replaced with a racing seat. Any seat must be securely attached to either a part of the roll cage or on non-rusted solid factory mounting locations.
- 8.2.18. SS class cars may not have external nerf bars.
- 8.2.19. SS class cars must have a minimum of a 4-point competition harness.
- 8.2.20. All air bags should be removed or MUST be completely deactivated if they remain in the car.
- 8.2.21. Stock glass windshield can stay, or be replaced with Lexan, or you may remove the windshield but you MUST have a safety screen which in construction should either have an outer "ring" made from no less than 3/8 inch round stock including a center rod OR the screen must be riveted to the A pillars, roof and cowl area. The screen must have openings no larger than 1"x1". No chicken wire.
- 8.2.22. If running with no windshield, the rear window may be removed. Side glass may be removed. Lexan or Plexiglas may be substituted for glass on rear window but only Lexan can be used to replace the front windshield.
- 8.2.23. SS maintains a no contact rule per 4.13, Any contact is subject to penalty as determined by race officials.

Tires Options for Stock Sportsman (SS):

Tire Option 1:

- 8.2.24. A used Menard tire with a maximum of 18 studs per foot may be used. (Note: both outside rows missing studs, equals 18 studs per foot.) A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

Tire option 2:

- 8.2.25. A used Menard tire (18 studs per foot) with screws or Kold Cutters to replace missing studs, no more than 50% (9 studs per foot)of original studs can be replaced. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

Tire Option 3:

- 8.2.26. A screwed/studded/bolted tire. Any readily available summer, all season, or winter tire may be used.
- 8.2.27. The number of screws/studs/bolts is limited to 25 per foot and devices may protrude no more than 1/4" and no greater diameter than 1/4 ".
- 8.2.28. No cutting or altering the tread or tread wear is allowed.
- 8.2.29. Screws can go from the inside or outside of the tire.

8.2.30. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

8.3. MODIFIED CLASS (MM)

- 8.3.1. All cars retaining the original body shape. Cars must be based on eligible stock class cars with the exception of modified engines and modified suspension.
- 8.3.2. Modified cars must not have modifications to sheet metal other than flattening of the inner lips of wheel wells and modifications covered in the engine and exhaust section. Flaring of stock fenders is allowed specifically for tire clearance only. Cars must retain a stock appearance.
- 8.3.3. Electric fuel pumps inside the passenger compartment must be completely enclosed with a half-inch drain hole leading outside the car.
- 8.3.4. Adding of ballast to a car in MM will not be permitted.
- 8.3.5. Any two wheel drive car with stock un-altered full body with engines up to 3600cc.
- 8.3.6. 2, 3 or 4 valve engines and rotary engines allowed. No forced air induction allowed, i.e.: No turbo or superchargers or the like. (i.e. no leaf blowers) Any forced air induction engine will be classed as Super Modified Closed, SMC.
- 8.3.7. Must abide by car prep rules pertaining in Sections 1 & 2 for body, batteries, glass, interiors, bumpers, seats, belts, helmets, roll cage, lights, fuel tanks, tow hooks, weight, etc.
- 8.3.8. MM cars windshields and rear glass may not be removed. Side glass may be removed. Lexan or Plexiglas may be substituted for glass on rear window but only Lexan can be used to replace the front windshield.
- 8.3.9. Locked or limited slip differentials permitted.
- 8.3.10. Engine upgrades permitted. Engine must be same manufacturer as car body.
- 8.3.11. Suspension up grades permitted. Mount locations may be moved. NO reconstruction of suspension mounting via tube framing or reframing of any kind. If tube frame modifications exist, car will be place in SMC.
- 8.3.12. Modified Menard class cars may be updated within make and model line. For example: any engine ever used in any VW Rabbit in the US may be installed in any Rabbit. In addition, an engine may be substituted from the same manufacturer even if it comes from a different model as long as the number of cylinders and valves per cylinder remain the same. The corresponding fuel injection system to the engine being installed may also be used: example, an engine used in a VW Jetta may be used in a VW Rabbit as long as the number of cylinders and valves/cylinder remain the same.
- 8.3.13. The model line extends only until the model is redesigned. This often but not in all cases evidenced by a significant body change.
- 8.3.14. Roll cages are required in all class cars, except SL/SL4

8.3.15. MM class cars may not have external nerf bars.

8.3.16. MM class cars must have a minimum of a 4-point competition harness.

Tire Option 1: Menard ice racing tires as purchased from Menards with straight studs.

Tire Option 2: Recycled USED Menards.

8.3.17. Screws may be installed in a regular Menard tire that has been used or is missing the original studs.

8.3.18. No more than 50% of the original Menards studs may be replaced.

8.3.19. Screws must extend no more than 1/4" and be less than 1/4" in diameter.

8.3.20. Screws may go from inside or outside of the tire

8.3.21. No cutting or altering have the tread or tread wear is allowed.

8.3.22. Gold and Kold Kutter motorcycle ice racing screws may be used.

8.3.23. Screw retention (nuts on the inside, glue, etc.) is open.

8.3.24. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

Tire Option 3: Experimental "X" Tires

8.3.25. A screwed/studded/bolted tire that has equal or comparable traction to a new Menard tire and costs less or has similar cost yet outlasts a new Menard tire which proves an economically sound benefit but never costs more than a new Menard tire shipped to your door.

8.3.26. Any readily available summer, all season, or winter tire may be used.

8.3.27. The number of screws is limited to 35 per foot

8.3.28. No cutting or altering the tread or tread wear is allowed.

8.3.29. Screws can go from the inside or outside of the tire. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

8.3.30. A liner and tube may be used.

8.3.31. Important: all "X" tires will be subject to review by AMEC officials at every event. If an "X" tire is believed not to be in the "spirit" of the rules or felt to be superior to a new Menard, AMEC officials may disallow the tire or require it to be modified in a specific manner for the next event. Continued use of any "X" tire even after modification, will rest solely with AMEC officials at each event.

8.3.32. Any tire construction that the Tech Inspector believes is within the "Spirit of the Rules and Goals" for "X" tires will be allowed.

Tire Option 4: Buying a new Menard tire with no studs and install screws.

8.3.33. Screws must be installed from the inside of the tire out. No more than the normal stud count of the original Menard and extend no more than a ¼ inch over tread with a

maximum of ¼ inch diameter. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

8.3.34. Note 1: All Modified Menard Class cars originally fitted with carburetors may modify existing carburetors or replace them with larger carburetors or those with more barrels. The number of carburetors may not be increased. Modifications other than these will result in the car being moved to Super Modified Closed (SMC).

8.3.35. Note 2: All Modified Menard class cars with non-stock fuel injection will be moved to SMC. Questions should be referred to the Tech Inspector

8.4. CLASS B - SUPER MODIFIED CLOSED (SMC)

8.4.1. All heavily modified cars retaining the original body shape. Locked differentials, engine conversions, turbo or super charging are permitted. Cars must be based on eligible stock class cars. Car must retain 1/3 of the original floor pan and both rocker panels. Firewalls may be modified as needed. No restrictions on suspension. Tube-chassis cars with stock bodies added are not permitted. Naturally aspirated, supercharged, and turbo-charged engines up to 360ci may be used.

8.4.2. Modified cars must not have modifications to sheet metal other than flattening of the inner lips of wheel wells and modifications covered in the engine and exhaust section. Flaring of stock fenders is allowed specifically for tire clearance only. Cars must retain a stock appearance.

8.4.3. Adding of ballast to a car in SMC will not be permitted.

8.4.4. Removal of interior upholstery, trim and seats will be permitted in all classes except Street Legal classes. The interior of the driver's door on all cars must have no sharp or dangerous edges.

8.4.5. Electric fuel pumps inside the passenger compartment must be completely enclosed with a half-inch drain hole leading outside the car.

8.4.6. Super Modified closed cars windshields and rear glass may not be removed. Side glass may be removed. Lexan or Plexiglas may be substituted for glass on rear window but only Lexan can be used to replace the front windshield.

8.4.7. Super Modified Closed class cars may NOT have EXTERNAL nerf bars.

8.4.8. SMC, class cars must have at least a full 5-point competition harness. All belts must be securely mounted and be used whenever the car is on the racecourse.

8.4.9. Arm restraints or window nets and/or roof nets are suggested on all SMC(B) class cars. A Lexan window on a SMC (B) car may substitute for a window net.

8.4.10. For all classes, (except SMO) the minimum required roll cage is a 6-point.

8.4.11. Class SMC cars will not be allowed the use of an overhead wing. SMC cars will run in the finale under their own scoring and class championship.

8.4.12. SMC class cars must conform to the same rules as other class cars except that the shoulder of the tire may extend up to three inches past the body work or side protection bars.

Tire Option 1: Menard ice racing tires as purchased from Menards with straight studs.

8.4.13. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

Tire Option 2: Recycled USED Menards.

8.4.14. Screws may be installed in a regular Menard tire that has been used or is missing the original studs.

8.4.15. No more than 50% of the original Menards studs may be replaced.

8.4.16. Screws must extend no more than 1/4" and be less than 1/4" in diameter.

8.4.17. Screws may go from inside or outside of the tire

8.4.18. No cutting or altering of the tread or tread wear is allowed.

8.4.19. Gold and Kold Kutter motorcycle ice racing screws may be used.

8.4.20. Screw retention (nuts on the inside, glue, etc.) is open.

8.4.21. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

Tire Option 3: Experimental "X" Tires

8.4.22. A screwed/studded/bolted tire that has equal or comparable traction to a new Menard tire and costs less or has similar cost yet outlasts a new Menard tire which proves an economically sound benefit but never costs more than a new Menard tire shipped to your door.

8.4.23. Any readily available summer, all season, or winter tire may be used.

8.4.24. The number of screws is limited to 35 per foot

8.4.25. No cutting or altering the tread or tread wear is allowed.

8.4.26. Screws can go from the inside or outside of the tire.

8.4.27. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

8.4.28. Important: all "X" tires will be subject to review by AMEC officials at every event. If an "X" tire is believed not to be in the "spirit" of the rules or felt to be superior to a new Menard, AMEC officials may disallow the tire or require it to be modified in a specific manner for the next event. Continued use of any "X" tire even after modification, will rest solely with AMEC officials at each event.

8.4.29. Any tire construction that the Tech Inspector believes is within the "Spirit of the Rules and Goals" for "X" tires will be allowed.

Tire option 4: Buying a new Menard tire with no studs and installing screws.

8.4.30. Screws must be installed from the inside of the tire out. No more than the normal stud count of the original Menard and extend no more than a ¼ inch over tread with a maximum of ¼ inch diameter. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

8.5. CLASS A – SUPER MODIFIED OPEN (SMO)

- 8.5.1. Scratch-built or tube frame cars, cars so modified as to be no longer recognizable. For example, cars using only the floor pan of the original car. Naturally aspirated, supercharged, and turbo-charged engines up to 360ci may be used.
- 8.5.2. Firmly anchored ballast is permitted in Class A SMO only. Ballast must be painted Black in color and have the race car number noted on the ballast.
- 8.5.3. Super Modified bodies are free.
- 8.5.4. Electric fuel pumps inside the passenger compartment must be completely enclosed with a half-inch drain hole leading outside the car.
- 8.5.5. Rear bumpers are required on all A Class cars. Bumpers must extend to within at least 3" of the outside of the tires.
- 8.5.6. Scratch-built cars without a full body must have a "flag" vertically mounted on the top of the roll bar with numbers on each side.
- 8.5.7. SMO class cars must have at least a full 5-point competition harness. All belts must be securely mounted and be used whenever the car is on the racecourse.
- 8.5.8. Arm restraints or window nets and/or roof nets are suggested on all SMO.
- 8.5.9. Class SMO cars with professionally built chassis such as that used in a sprint car or dirt modified with 1⅜", 0.090 Chrome Moly tubing will be allowed to compete. (A manufacturer's tag must be visible on the chassis to be eligible.) These chassis must include an equally sized nerf bar of 1⅜", 0.090, in a triangulated design similar to that used in dirt competition.
- 8.5.10. Scratch-built, Super-Modified, cars on which the body has been cut or altered so as to reduce the structural integrity of the car must have a full roll cage consisting of a front and rear roll bar and side rails tied together at left and right top and with side interior bars. The entire cage will be braced into the frame front and rear and will be of welded construction not less than 1½" o.d. round steel tubing with a minimum wall thickness of 0.090". Sidebars are required in SMO and SMC cars.
- 8.5.11. When sidebars are installed in closed wheel cars they must be within the bodywork of the car. The top bar should be no lower than 20" from the ground and the lower bar at or near frame level. The middle bar should be either above or below hip level. The driver's compartment should be no less than 30" wide at the narrowest point. Professionally built chassis less than 30" wide must be approved by the tech inspector.

8.5.12. Scratch-built cars should conform to the general specifications for width, weight, and engine size. Lightweight ($\frac{3}{4}$ " tubing or equivalent) rear bumpers are required on scratch-built cars. $\frac{3}{4}$ " minimum side protection bars are required on all open wheel cars. This structure should be installed between front and rear wheels on each side of the car and should extend out to within 3" of the outside edge of the tires. This structure cannot extend past the outside edge of the tires.

8.5.13. A $\frac{3}{16}$ " hole must be provided in a non-critical, but accessible, spot.

8.5.14. Roll bars must be padded in the area of the driver's head and arms.

8.5.15. If there is any doubt as to whether a car conforms to the above rules, the driver must contact the chief tech inspector. The chief tech inspector must approve all scratch-built cars.

8.5.16. All SMO Class cars must have a clear quartz halogen light facing forward and mounted at roll bar height or wing height if the wing is higher. These lights must be lit any time the cars are on the race course. SMO cars only will be allowed one wing overhead with a total maximum size of 25 sq. ft. The performance of cars with wings in excess of 12 sq.ft. will be monitored and may be subject to wing inclination limits and removal of the wickerbill if a consistent advantage is determined by race officials.

8.5.17. The use of a front wing with a total maximum size of 6 sq. ft. is allowed.

Tire Option 1: Menard ice racing tires as purchased from Menards with straight studs.

8.5.18. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

Tire Option 2: Recycled USED Menards.

8.5.19. Screws may be installed in a regular Menard tire that has been used or is missing the original studs.

8.5.20. No more than 50% of the original Menards studs may be replaced.

8.5.21. Screws must extend no more than $\frac{1}{4}$ " and be less than $\frac{1}{4}$ " in diameter.

8.5.22. Screws may go from inside or outside of the tire

8.5.23. No cutting or altering of the tread or tread wear is allowed.

8.5.24. Gold and Kold Kutter motorcycle ice racing screws may be used.

8.5.25. Screw retention (nuts on the inside, glue, etc.) is open.

8.5.26. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.

Tire Option 3: Experimental "X" Tires

8.5.27. A screwed/studded/bolted tire that has equal or comparable traction to a new Menard tire and costs less or has similar cost yet outlasts a new Menard tire which proves an economically sound benefit but never costs more than a new Menard tire shipped to your door.

- 8.5.28. Any readily available summer, all season, or winter tire may be used.
- 8.5.29. The number of screws is limited to 35 per foot
- 8.5.30. No cutting or altering the tread or tread wear is allowed.
- 8.5.31. Screws can go from the inside or outside of the tire.
- 8.5.32. A liner and tube may be used. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used.
- 8.5.33. Important: all "X" tires will be subject to review by AMEC officials at every event. If an "X" tire is believed not to be in the "spirit" of the rules or felt to be superior to a new Menard, AMEC officials may disallow the tire or require it to be modified in a specific manner for the next event. Continued use of any "X" tire even after modification, will rest solely with AMEC officials at each event.
- 8.5.34. Any tire construction that the Tech Inspector believes is within the "Spirit of the Rules and Goals" for "X" tires will be allowed.
- Tire option 4: Buying a new Menard tire with no studs and installing screws.
- 8.5.35. Screws must be installed from the inside of the tire out. No more than the normal stud count of the original Menard and extend no more than a ¼ inch over tread with a maximum of ¼ inch diameter. FLUORESCENT OR BRIGHTLY COLORED SEALER IS NOT ALLOWED, only white or clear sealer can be used. AWD Class
- 8.5.36. Any AWD car must conform to all general specs and must choose to conform to SMC rules or SL4 rules. See appropriate section.

8.6. ALL WHEEL DRIVE (AWD)

- 8.6.1. Any AWD car must conform to all general specs and must choose to conform to SMC rules or SL4 rules. See appropriate section.

8.7. OPEN CLASS

- 8.7.1. This class will remain available for participants and will run with the Stock Sportsman Class. However, open class will not be scored, nor will points be given and no class trophies will be awarded at the end of the season. The open class will be as originally created, i.e.: for people that are part of a race team (crew, friends, etc.) who are interested in trying a different car, trying out the sport all together, or would like to race because a car and themselves are already at the track.

9. **FLAGS**

Green Flag

- 9.1. The green flag is waved by the starter to indicate the beginning of a race, or a qualifying or practice session. It is waved after a caution flag has been displayed to tell the drivers that

the race has been restarted. The green flag also is an indication that the course is clear of any obstacles or debris.

Yellow Flag

9.2. The yellow flag is the signal for caution. When it is held stationary it is an indication that there is a problem ahead. Drivers must slow and refrain from passing. A waving yellow flag indicates immediate danger ahead. Drivers must be prepared to stop and cannot pass, although they can close the distance to the car immediately in front. Yellow flags can indicate problems in one area of a track when waved by only one or two corner workers. After a yellow flag has been displayed for 3 consecutive laps a blue flag may be displayed in its place. A "full course caution" is when 2 yellow flags are waved by all corner stations around the track. This is initiated by the starter. A "full course caution" or double yellow is used when there are multiple incidents around the race course or there is a need to have track personnel move onto the race course. During the full course caution it is the responsibility of the leader to slow to a parade lap speed to allow the other cars on the track to bunch up, single file behind the leader to prepare for a restart. The restart will be at start/finish and will be indicated by the waving of a green flag. Once the green flag is displayed racing can resume with passing taking place immediately. Passing under the yellow is a serious infraction and drivers may be penalized with a black flag. Passing under the yellow is a serious infraction and drivers may be severely penalized.

Blue Flag

9.3. A solid blue flag will be displayed to warn drivers that a car is stuck off track or in a snow bank. While it is permitted to race as usual, drivers must take care not to hit the disabled car.

Red Flag

9.4. When a race is "red flagged", it is stopped due to some condition that has made the track un-raceable. These conditions can range from weather problems to accidents to surface problems. A red flag often means the track has been completely blocked by an accident or debris and there is no safe route through the problem. As soon as a red flag is shown, drivers must come to a stop (behind the car immediately ahead) as quickly and safely as possible. Once the track is safe for racing, the cars will be gathered up under yellow to bunch up, single file, behind the leader and prepare for a restart. The restart will be at start/finish and will be indicated by the waving of a green flag. Once the green flag is displayed racing can resume with passing taking place immediately.

White Flag

9.5. When waved by the starter the white flag indicates that a driver is entering the last lap of practice or a race. It is waved continuously to all cars following the leader until the leader approaches the finish line.

9.6. When two flags are rolled up and pointed toward the track, this signifies two laps to go.

9.7. Two flags crossed like an "X" indicates the "half-way" mark of the race.

Black Flag

- 9.8. The all-black flag means that there has been an infraction. When waved, the driver must bring the car to start/finish on the next lap. Drivers who ignore a black flag may incur severe penalties, including disqualification and loss of points.
- 9.9. A black flag rolled up and pointed at a driver signifies a warning for an infraction. The driver should not stop at start/finish.

Black Flag with Orange Circle (Meatball Flag)

- 9.10. The black flag with an orange circle means the driver must bring the car to the pits on the next lap. This flag indicates there is a serious mechanical problem with the car that can endanger the driver or others. Ignoring this flag can bring severe penalties as it represents a dangerous situation.

Blue Flag with Yellow Stripe

- 9.11. The blue flag with a yellow stripe (or passing flag) has different meanings depending on how it is held. When it is held motionless it is an indication to a driver that there is a faster car following closely behind, but not yet close enough for a pass. A waving blue flag indicates that the driver is about to be overtaken and should take care to permit the following vehicle a safe pass. This is an informational flag. It is not mandatory to move over. Cars racing for position do not have to move off line. However, cars are not allowed to block.

Checkered Flag

- 9.12. The starter waves the checkered flag to indicate the finish of the race or practice session. The checkered flag is waved for all finishers.

10. Points

- 10.1. Points are given to the driver not the car.
- 10.2. A champion will be determined for each class by the number of points earned both in the class races and finale races. Twenty-five "incentive points" will be awarded each race day to every driver who enters to race.
- 10.3. Year-end points ties will be broken by determining the driver with the greatest number of 1st's, then 2nd's, etc., as needed.
- 10.4. One car and driver may not get points in more than one class during one race.

Class Championship Points

- 10.5. All cars in the finale will also receive class points for their respective classes.

10.6. All finishing cars will be awarded class points according to the following chart:

Position	Points	Position	Points
1	25	11	8
2	22	12	7
3	19	13	6
4	17	14	5
5	15	15	4
6	13	16	3
7	12	17	2
8	11	18	1
9	10	19	1
10	9	20	1

Finale Championship Points

10.7. Finale points are only earned for SMO, SMC, and MM championships.

10.8. All finishing cars will be awarded finale points according to the following chart:

Position	Points	Position	Points	Position	Points
1	75	11	16	21	6
2	60	12	15	22	5
3	50	13	14	23	4
4	40	14	13	24	3
5	30	15	12	25	2
6	25	16	11	26	1
7	20	17	10	26	1
8	19	18	9	28	1
9	18	19	8	29	1
10	17	20	7	30	1

10.9. Point ties will be broken by Finale finishes (greatest number of 1st, 2nd's etc). If there still is a point tie, then the heat race finishes will be used to break the tie.

10.10. In addition to individual class championships, three finale championships will be awarded: the Modified Finale championship that includes SMO, SMC, and MM classes, and the Stock Finale championship that includes M class. Trophies will be awarded to the top three competitors in both of these championships at the year-end banquet.

Do's and Don'ts for Ice Racers

Do	Don't
...be on time. Registration ends at 10:00 AM sharp! Getting started on time helps us to get in a full race day.	...hit other cars. It's unsportsmanlike and won't be tolerated
...attend the driver's meeting. You are responsible for all information and directives given at each meeting.	... interfere with other cars right-of-way. The first car into a corner has the right-of-way.
...make sure your numbers are clear. If the scorers can't read numbers, you won't be scored!	...bounce your car off or into another in order to pass
...make sure you know the meaning of the flags.	...hit pylons – we need them for the track. You'll get black flagged if you do.
...use your mirrors. Get into the habit of looking before you go into a corner	...slow down too much when entering the pits during a race or return to the track without exercising complete caution.
...drive carefully in the pits! Enter the track with caution after pit stop!	...speed into the pits.
...get out of the way of faster cars.	...interrupt the scorers. They need to concentrate to get it ???
...make sure that required lights are working at all times.	...argue with race officials.
...clean up any spills from your car with a spill pillow	...leave trash or debris on the lake.

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