

2010 Competitors' Rulebook



Mailing Address: PO BOX 853, West Salem, WI 54669

Shipping Address: N4985 CTY RD M, West Salem, WI 54669

Contact #'s: Phone: 608-786-1525, Fax: 608-786-1524

Internet: lacrossespeedway.com, oktoberfestraceweekend.com, streetdragslax.com

Email: lacrossespeedway@yahoo.com

For Track, Schedule or Administrative Questions:

Contact Chuck Deery at Speedway Office 608-786-1525

(9am-4:30 Monday-Friday)

Email: cdeery@centurytel.net

For Technical Rule Questions:

Late Models - Don Sneller, 608-397-2810, dsneller@dishmail.net

Sportsmen - Chuck Deery, 608-786-1525, cdeery@centurytel.net

Thunderstox - Ray Loughan, 608-786-3233 (5pm-7pm only), raycaryll@centurytel.net

Hornets - Greg Oliver, mrflagman@msn.com

Skidders - Chuck Deery, 608-786-1525, cdeery@centurytel.net

2010 Competition Council:

Drivers: Bill Niles, Randy Humfeld, Dan Gilster, Kevin Nuttleman

Advisors: Dan Navrestad, John Scott, John Henderson, Curt Eckelberg

Officials: Jim Compton, Don Sneller, Jeff Garbers, Greg Oliver, Ray Loughan,
Chuck Deery, Clem Droste

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TO RECEIVE THIS INFORMATION:

SIGN UP FOR SPEEDWAY EMAIL NEWSLETTERS AT WWW.LACROSSESPEEDWAY.COM

LaCrosse Fairgrounds Speedway

2010 GENERAL RULES & SPECIFICATIONS

NOTE: Changes for the 2010 Season are presented in Red Text.

RULE BOOK DISCLAIMER

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events 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 EXPRESS OR IMPLIED WARRANTY OR 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 a participant, spectator or official.

The race director shall be empowered to permit minor deviation from any of the specifications herein or impose any further restrictions that in his opinion do not alter the minimum acceptable requirements. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

PROMOTIONAL RELEASE

Any competitor who wishes to compete, consents to the use of his name, pictures of himself and his car for publicity, advertising and endorsements both before and after the events, and relinquishes any rights to photos taken in connection with events, and consents to the publication or sale of such photos as the Speedway so desires.

THIS RULE BOOK IS A SUPPLEMENT TO THE NASCAR ALL-AMERICAN SERIES RULE BOOK.

The rules and regulations in this book have precedence over the NASCAR All-American Series Rule Book, as they pertain to the weekly racing program at La Crosse Fairgrounds Speedway.

A WALK THROUGH A NIGHT AT THE RACES

1. It is best to register your car the week before you intend to compete, although you may register the day you plan to race. Registrations are required each season. Go to the Pit Registration Office (orange building at the entrance of the pits). Tell the person on hand that you are ready to begin racing. Fill out the forms she or he gives you. (Remember-minors will need a special form) and he or she will assign you a number for the car (call the office for car number availability in advance).
2. On the night you are ready to race, come to this building and register for the night if you have not already registered. Prior to every program it is necessary to secure a "Pit Pass" for entry. You must read and sign the "waiver and release". You may take a copy of the waiver and release form with you to read at any time. Proceed to the area of the pits designated for your type of race car (Late Models, Sportsmen, Thunderstox, etc...), the gate staff or an official will be able to show and tell you where.
3. Locate one of the La Crosse Fairgrounds Speedway Technical Staff to inspect your car or he will tell you when and where inspections are to be held. Your car must be approved prior to competing in any events (including Time Trials).
4. Locate the race line-up board. It is on the back of the Pit Concession building. It is from this board that the line-ups and order of races are posted.
5. Now..It's time to Hot Lap. Provided you have made arrangements with the Tech Staff, get in your car, get ready to race - belts, helmet, and uniform in place - proceed to the track entrance. In most cases, a staff member will be here to check you and tell you when to proceed to the track. Hot Lap Sessions rotate by division, and are announced over the pit public address. It is currently the procedure to pull to the inside groove of the track and take several slow laps familiarizing yourself with the track. When you feel ready, and green light and flag are shown, speed-up and move into the upper grooves.
***NOTE: AT ALL TIMES WHILE ON THE TRACK - BE AWARE OF WHAT IS GOING ON AROUND YOU - WATCH THE FLAGMAN, THE CONTROL SIGNALS, AND THE TRAFFIC.

6. After hot laps, return to your pit and wait for your division to be called for Time Trials. (On some events Time Trials are eliminated) It is your responsibility to go when your division is called - YOU WILL NOT BE CALLED INDIVIDUALLY. Know when it is your turn to qualify, as a different car number begins the session each week. Cars qualify in order by car number.
7. Time Trials - Proceed to the back stretch of quarter mile. When the official gives you the signal, pull out on the track and proceed around ready to get the green as you cross the Start Line. Make one complete lap (You are on the clock) and watch the flagman as you end your first lap - If checkered is displayed, proceed back to the pits. Watch the Flagman.
8. The races are lined up according to time or points average so now watch the line up board for your number in a race for your division. While the race before yours is beginning, you should be in your car and lining up in the Staging Area (located behind turns 3 & 4 of the small track), in order shown on the board. When examining the board look at who is ahead of you, next to you, and behind you so you know where to line up at. Proceed on to the track when the staging staff gives the signal and realign yourself as you pull up to the start line. A note: We will never hold or delay a race while you are getting read; get staged in plenty of time and have all your gear in place before entering the track surface.
9. THE BIG MOMENT...One thing we can't tell you is how to race so do your best but remember the following items. Watch the flagman...Know what the flags mean...if your division requires a scanner or Raceceiver, be sure it is on and working....be alert and be aware...and GOOD LUCK! Have Respect for the track's and others' property.
10. Payoff...When the races are over, if you have won any money, it can be collected at the designated pay-off window (typically the beer stand in the grandstands).
11. Thank you for choosing to race at LaCrosse Fairgrounds Speedway. Read the rule book, know all the rules, have fun, and if you don't know...PLEASE ASK!

GENERAL RULES

This general rule section applies to each and every racer, mechanic and/or pit personnel. Some *items*, obviously, do not apply to each class - you can easily determine which rules do not apply to you. You are expected to know the rules; ignorance will not be tolerated as an excuse.

GENERAL RULE STATEMENT

“THE RULES AND/OR REGULATIONS SET FORTH HEREIN ARE DESIGNED TO PROVIDE FOR THE ORDERLY CONDUCT OF RACING EVENTS, AND TO ESTABLISH MINIMUM ACCEPTABLE REQUIREMENTS FOR SUCH EVENTS. THESE RULES SHALL GOVERN THE CONDITION OF ALL LA CROSSE FAIRGROUNDS SPEEDWAY EVENTS, AND, BY PARTICIPATING IN THESE EVENTS, LA CROSSE FAIRGROUNDS SPEEDWAY RACERS, MECHANICS AND/OR PIT PERSONNEL ARE DEEMED TO HAVE COMPLIED WITH THESE RULES. NO EXPRESS 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 PARTICIPANTS, SPECTATORS OR OTHERS.”

CONDUCT

1. Any fighting or reckless driving in the Pit area may subject the offender to suspension depending upon the seriousness of the incident and the decision of the Management. Any continuing problems from the same individual may result in permanent suspension. A fine of no less than \$100.00 may be assessed to the participants of any fight. NASCAR Rule Book may dictate fines and/or penalties for this offense.
2. We demand courteous conduct from all participants at all times. We do not tolerate profanity in front of race fans, Officials, or Management, profane signs on your car, sex signs, etc. are taboo; Swastikas or Nazi symbols on your car or clothes, unusual dress or hair styles. We expect you to look like a professional and act like one! Be clean, uniformed and look respectable.
3. Penalties and fines for violation of the conduct, race, procedure, and general rules may be implemented per the NASCAR Rule Book to all participants (NASCAR members and non-members) at the discretion of the officials.
4. The possession, consumption or distribution of ANY alcoholic beverage or controlled substances at any time while in the restricted areas is strictly prohibited.
5. Officials will use the NASCAR procedure on ALL participants as it relates to alleged use, distribution or possession of drugs, narcotics or alcohol. By entering the restricted area, all participants agree to accept this policy and procedure Penalties are determined by the NASCAR officials.
6. At any time the display of any type of weapon or threat of bodily harm, may result in permanent suspension for the entire racing crew and may result in arrest of all parties involved.
7. When in the Pit Area, maintain a constant watch for your own protection.
8. For any race team, including but not limited to: driver, crew member, spectator, or relative that is associated with a race team - that suggests, makes threats there of, and/or participates in any litigation against the La Crosse Fairgrounds Speedway etal, will forfeit the privilege of participating or attending any events at the La Crosse Fairgrounds Speedway for a time specified by the speedway management.

BENEFITS AND INSURANCES

1. Participants legally entering the pits and/or restricted areas are covered by insurance for specific limits. When involved in an accident involving an injury, advise the racing Officials in charge so the necessary insurance forms can be handled properly. **NO CLAIMS WILL BE CONSIDERED UNLESS REPORTED PRIOR TO LEAVING THE SPEEDWAY PROPERTY THAT DAY / NIGHT / EVENT.**
2. For All participants: Any insurance claim filed on any injury sustained on Speedway property must be filed through your insurance carrier first. NASCAR's (or others) is supplement insurance and will cover any charges not covered by your insurance carrier. If you do not have insurance, NASCAR (or others) will become your primary insurance carrier.
3. Posted on the Pit Office wall is a certificate of benefits which covers everyone signed into the Pits. Call us or discuss any aspect of the insurance at any time. You and your crew members are covered with as broad benefits as the racers in the major racing associations in the U.S. If any question or problem comes up about benefits, contact the Speedway Management.
4. When involved in an accident involving an injury to you, advise the racing officials immediately so the necessary reporting will be accomplished. Contact the safety crew and give him a full report before you leave the Speedway. If physically unable, your crew must be responsible for this report.
5. Ambulance transportation fees are not covered by Speedway insurance.

LIABILITY INSURANCE

Our liability insurance insures the race track, the car owner and SPONSORS. (Certificates are available for review by sponsors. Policy reviews and/or additional insured's can be arranged at prevailing cost.)

GENERAL INFORMATION

Every driver must inspect the racing surface and the race track to learn of any defects, obstructions, or anything which, in his opinion, is unsafe and they shall report that condition in writing to the Speedway Management. Any driver entering any racing event is considered to have inspected the track and all conditions are satisfactory to him/her...if not, **DO NOT RACE.** The participant further indicates that they are aware that auto racing involves risks and assumes the risks with full awareness and knowledge.

1. The Speedway assumes no responsibility for damage to or loss of your equipment, vehicle, tow vehicle, or any parts by any means whatsoever.
2. **Passing "tech" does not imply your car is free of defects. You are personally responsible to be sure that your car is safe and race ready.**
3. **MINORS:** See us well in advance so we may prepare the necessary minors' releases for your parents' or guardian's signature. Don't wait till race day!! (10 yrs. thru 18 yrs. for pit entry)
4. Benefit and insurance questions must be presented in a timely manner.
5. We recommend you familiarize yourself with available benefits and insist that you understand the waiver and releases.
6. No children age 9 and under are allowed in the pits or track at any time. Parent and guardian must sign for all persons under 18 years old. Every one of all ages is welcome to the pit area following the racing events to visit the drivers and get autographs.

PERSONAL SAFETY EQUIPMENT

1. Each Competitor is solely responsible for the effectiveness of personal safety equipment used during an Event. NASCAR, TRACK OFFICIALS, OR THE PROMOTER ARE NOT RESPONSIBLE FOR THE EFFECTIVENESS OF ANY PERSONAL SAFETY EQUIPMENT.
2. Each Competitor is expected to investigate and educate himself/herself fully with respect to the availability and effectiveness of personal safety equipment available.
3. All entrants **are recommended to** have in their garage or pit area, if any, as part of their equipment, at all times, a fully charged minimum 10 pound dry chemical or its equivalent fire extinguisher with a visible, operating pressure gauge.
4. Helmets: Drivers are required to wear at all times on the race track a helmet, with Snell Rating recommendation of a minimum SA 1995 or SA 2000 Standard Snell Sticker.
5. Drivers are required to wear eye protection for all divisions.
6. Drivers in all divisions are required to wear flame retardant gloves at all times.
7. Seat belts must be used and engaged for all events, and at any time vehicle is on racing surface.
8. No person will be permitted to ride on the outside of any car or ON any trailer or hauler at anytime.
9. **Nomex driving suits required for any division competing weekly. Nomex shoes are required for all Late Model drivers. At minimum, all other drivers shall use leather or other flame retardant shoes. Nomex driving suits are recommended for all other divisions. At minimum, flame retardant clothing required for all other drivers.**

PRACTICE TRACK RENTAL

FOR ALL PRACTICE AND TRACK RENTALS, EVERYONE ENTERING PIT AREA MUST SIGN WAIVER AND RELEASE OF LIABILITY. You (Drivers) are responsible in making sure everyone associated with your team has signed prior to your car entering the track. Failure to do so may subject your race team to monetary fine, and/or loss of future track rental opportunities.

1. THURSDAY PRACTICE

- A. Held every first and third Thursday of each month, starting the third Thursday in April, and ending at end of Sept. Open practice sessions start at 5:00 p.m. and run until 7:30 p.m. Cars are to line up in the staging area to await their rotation. Each car is allowed a maximum of 8 laps per rotation. Cars may re-enter the line as many times as time permits.
- B. Other scheduling may preempt practice days.

2. TRACK RENTALS

- A. The track is available for exclusive use at other times. Call track office for availability and reservation.
- B. Rental times are Half Day: 10 a.m. until 1 p.m. or 1 p.m until 4:30 p.m., or full day 10 a.m. until 4:30 p.m., Mon.-Fri.
- C. There are no evening or Sunday rental periods. Saturdays available only during scheduled season, per availability.
- D. Rental fee is per car. Contact Speedway for a rental fee pricing. Teams that do not compete weekly are assessed a 30% Track Maintenance Surcharge, payable to the LaCrosse Co. Agricultural Society.
- E. A \$25.00 "clean-up" may be charged if area is not returned in like manner.
- F. Multiple cars will be allowed during a track rental session, however only one car on the track at a time.

NOTICE

Before entering the pit area, unloading a car or any other activity, all drivers and participants must complete rental forms and release forms at track office. Failure to do so will end session, forfeit all money paid and be subject to a cash fine.

GENERAL POLICY

1. ANY DISAGREEMENT OVER TECHNICAL QUESTIONS OR OPERATIONS WILL BE RESOLVED BY THE RACING OFFICIALS AND MANAGEMENT. WHEN THEIR DECISION IS RENDERED, SUCH DECISION IS FINAL AND BINDING.
2. The Speedway Management and Officials will establish the length, frequency and administration of all events and programs and when their decisions are rendered, that is FINAL AND BINDING. Exceptions to the rules and specifications may be made on a temporary basis at the discretion of the Speedway Management.
3. The Management and Officials will determine all finishing positions and their decision is final!
4. Any complaints, disputes, questions or problems must be directed to the Speedway Management immediately following the event for their action or follow NASCAR Rule Book.
5. It is the duty of all drivers, car owners and mechanics to bring to the attention of the Officials any unsafe equipment or practices or any rule infraction of any car or driver.
6. Continuous developments in racing may necessitate changes that we cannot anticipate at the time rules are formulated. Hence, we may, if necessary, update, modify and add to, or delete rules. The "Except in Rare Instances" (E.I.R.I.) rule is always applicable. E.I.R.I. is in effect at all times.
7. Shoes, shirts and pants are required on all personnel at all times in the pit area.
8. You must be 16 years old to participate as a driver in any weekly or organized division competing at this speedway, **15 year old drivers are allowed to compete with speedway approval.** Touring series drivers restrictions are subject to individual series' rules.
9. Every racer is expected to participate in every event that it's possible for him to run. When a racer refuses to participate because of his disagreement with the length, type, or style of the race he is subject to suspension for a period determined by the Management.
10. Any car involved in a serious accident, may be impounded by the speedway or by the sanctioning body.
11. ALL CARS MUST BE NEAT APPEARING WITH A GOOD PAINT JOB. A number of at least 20 inches or more in height and 18 inches in width must appear on both doors of the car in contrasting color. Cars must display roof top numbers of 24 inches high readable from the right side. No metallic or foil numbers are allowed. Driver's last name and number must be lettered in white on top center of windshield.
12. **For all divisions, two tow-cables or hooks must be located on front and rear of cars.**
13. This rule book does not address all aspects of a race car in detail. Any variance or interpretation to the rules is the Techman's discretion - not yours, thus any part, altered part, item, equipment not specified or approved by Tech Officials, will be declared illegal.

RACE TRACK OPERATING PROCEDURES

1. The only people allowed on the racetrack and outside the infield pit guard rail are Racing Officials and Speedway Management. Everyone must stay away at all times unless requested to assist for some special reason. Drivers may seek a place of safety in the infield following disablement...when crashed, stay in your car. DO NOT get out and inspect the damages on the track. NEVER EXAMINE YOUR CAR WHILE THE CARS ARE RACING ON THE TRACK!! Pit crews, car owners, and personnel related to any car are not allowed on the track following an accident or injury.
2. Do not enter the racing surface without express authorization. Official will O.K. your entry at the track entrance(s) and signal for you to proceed (i.e. cross-over to pits and exit).
3. The track may not be used for practice at any time other than designated in these rules.

4. Any competing vehicle whose speed has been reduced to a point where it causes a safety problem or slows track activity may be removed from the racing surface at the discretion of the Officials.
5. Our racing program is based on the availability of enough vehicles qualified. If this number is not available, alternate scheduling or programming will be used. Racing events will be "lined up" in various ways to accomplish the best racing program.
6. A driver may change cars (with approval of tech officials) prior to start of race. (Start of race is the field accepting the 'one to go' (until green flag) signal). Driver must start at rear of field. Any variations of this rule must be approved by the Director of Competition and/or Management.
7. A driver may re-qualify an additional car. However, doing so disqualifies the first car and the qualifying time.
8. No driver may get out of his car on the track or infield to argue or discuss the race with the Starter or Officials. If this rule is violated, the driver may be disqualified for the event or suspended according to the decision of the Officials.
9. Any event is completed when over one-half of the scheduled length has been run by the leader or terminated by the Officials for safety reasons.
10. Any participant who refuses to allow Tech Officials to inspect their car will be subject to the following: First refusal - loss of points and money for night. Second refusal - loss of points for year, loss of money for night. Third refusal - loss of money and all points earned, plus Suspension for remainder of year. \$100 fine (ineligible to compete until paid).
11. NASCAR confiscation rule in effect for ALL divisions. Any team refusing to relinquish a confiscated part will be immediately suspended from all speedway operations for a period set forth by the speedway.
12. A division may be lined up from qualifying. Any team that turns two or more (consecutive) laps that are "faster" than their qualifying time is subject to a one lap penalty. Any lap greater than .350 for the Late Models and Sportsmen is considered "faster".
13. No haulers over 9'6" allowed in pits during racing events.
14. AT NO TIME IS ANY TEAM MEMBER OR DRIVER ALLOWED TO STAND ON OR BEHIND THE 1/4 MILE WALL.
15. A race team will forfeit two times the number of earned points and fined two times the amount of purse won per violation - for any race team, whose registered driver has been replaced before or during a race event, by any other driver, without informing the proper officials of the driver change. Fines must be paid before car and drivers may compete again.
16. A car left on Speedway/Fairgrounds property without approval for more than 48 hours will be considered abandoned and be removed at owner's cost.
17. Race teams are required to help dry racetrack in inclement weather. Failure to do so may result in loss of starting positions or race team may not be able to participate in the race event itself.
18. Absolutely No "for sale" signs allowed on cars while on the racetrack.

PAY-OFF PROCEDURES

1. All points shall be earned by the starting driver. All payments will be made to the starting driver, unless prior arrangements have been made in writing.
2. Payoff will be made only for events actually COMPLETED. Never will any event be paid when it was not run.
3. When a program is shortened by rain or some unforeseeable or fortuitous event, yet is considered complete and no rain checks issued, payoff will be made for events completed. In this event, a lengthened feature may be run at the next practical time.
4. All race results will be announced before payoff. All winnings will be paid at the designated pay-off window (Typically the Beer Stand). DRIVER MUST BE A NASCAR AND LA CROSSE MEMBER TO EARN POINTS AND CLAIM PURSE WINNINGS.
5. A driver has a maximum of two weeks following event held to pick-up payoff. Money not picked up will be forfeited.

TEAM RESPONSIBILITIES

1. At any time the conduct of any team member or driver is a discredit to the Speedway, the racing industry or to himself, he or she may be removed from all racing activity at the Speedway. The driver is responsible for all the people associated with his car and/or signed in with the car (this includes the grandstands).
2. Responsibilities of the driver and crew are addressed in the NASCAR Rule Book and will prevail in most cases.

TRACK POLICY

The La Crosse Fairgrounds Speedway and the LaCrosse Interstate Fairgrounds are private property. Any person on this property without the permission of La Crosse Interstate Fair Association and Motorsports Management Services, Inc. is guilty of trespass and subject to the penalties prescribed by law. Through your registration or association, you have been given the authority and the right to be on this property in conjunction with racing activities. However, the Administration of La Crosse Fairgrounds Speedway reserves the right to revoke and cancel this authority at any time that it is felt that your presence or conduct is not in the best interests of the sport of auto racing, your fellow competitors, the fans, the management and the employees of the speedway.

CLAIMS AND CLAIM RULES - GENERAL PROCEDURES

GRAND NATIONAL SPORTSMEN:

ENGINE CLAIMING PROCEDURE

1. Any driver finishing in the top five of the feature event is subject to having his/her engine claimed by any other driver finishing in the sixth through fifteenth position.
2. Claim consists of an exchange of motors and \$250.00 plus \$50.00 for wreckers.
3. Claims must be cash, cashier's check, certified check or travelers check.
4. Claims must be submitted to Speedway Official within 10 min. of end of feature and all claims must be completed within one hour after claim has been made.
5. First sell or no sell by driver being claimed is final and binding.
6. Only driver may make claim, and only driver may agree or refuse claim.
7. No driver may claim more than 2 engines during the current season.
8. Refusal to sell during weekly event forfeits all cash and contingency winnings for feature, any trophies earned, plus all track points for the season. Any driver refusing to sell engine during weekly event, when claimed within the rules, loses the right to claim any driver's engine for twelve calendar months from date of refusal to sell.
9. All claimed engines must be transferred at the track. Once removal has started, claim is final.
10. Any illegal, unfair or un-sportsmen like actions or any evidence of tampering with, or damage to a claimed engine before its transfer will result in suspension from competition of the driver, car owner, and crew plus loss of all accumulated points for the season.
11. Unusual, unwarranted, or unanticipated problems will be resolved by Speedway officials.
12. Claiming engine includes all engine components except: 1. Flywheel, 2. Clutch, 3. Pressure plate, 4. Bell Housing, 5. Exhaust manifold, 6. Carburetor and adapter, 7. Starter, 8. Motor mounts, 9. Gauge sending units and related hardware, 10. Fans and pulleys, 11. Ignition system, 12. Oil pan, 13. Valve covers.

THUNDERSTOX AND HORNETS:

MANAGEMENT CLAIM RULE

1. Management has the right to claim any car at any time.
2. The Claim amount is \$850 for Thunderstox, \$300 for a Hornet. Drivers may keep seat belts.
3. If you refuse a legal claim, you will forfeit any points, trophies and prize money for the entire season. Car and driver will be ineligible to compete for the remainder of the season.

POINT AND TRACK CHAMPIONS

GRAND NATIONAL SPORTSMEN:

Point Champion is ineligible to compete in Sportsmen Division the following year (excluding Oktoberfest).

THUNDERSTOX:

Point Champion is ineligible to compete in Thunderstox the following year (excluding Oktoberfest).

HORNETS:

The top THREE in final Hornet point standings are ineligible to compete in the Hornet division the following year.

Miscellaneous

1. Drivers (only) in the Late Models, Sportsmen, and Thunderstox divisions are required to have an operating scanner or Raceceiver. Any driver without an operating scanner will NOT be allowed to race. Any driver not heeding the tower's commands through the scanner will be sent to the rear of the field or pits. Raceceiver frequency is: **454.000** and the Traditional Scanner frequency is 151.625.

REQUIRED PATCH AND DECAL LOCATION ALL NASCAR DIVISION CARS

1. All cars must provide the area shown below for the current series sponsor decals. The exact placement will be distributed with the decals.
2. The NASCAR Contingency decal area MUST NOT contain any other lettering, decals, or decorations.
3. NASCAR Series patch MUST be on left side of driver's uniform, La Crosse Fairgrounds Speedway patch on the right side.
4. Division sponsor decal must be visible on race car at all times to compete, receive payout, and points. This includes car shows, parades, etc...

DOORBAR DEFLECTOR PLATE

TYPICAL DRIVER'S DOORBAR NETWORK

All Divisions on 5/8 Mile Track

(1 3/4 inch, .095-wall tubing)

DEFLECTOR PLATES

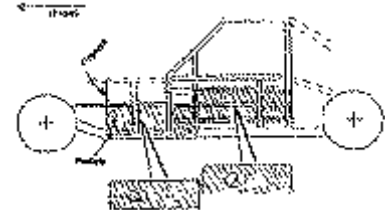
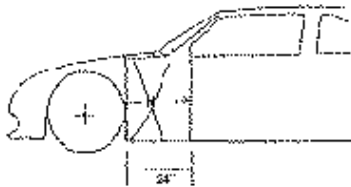
Approximate Dimensions:

Plate A - 10" x 30", 1/8" Thick Plate B - 10" x 30", 1/8" Thick

NOTE: 11 gauge is .119 thick and weighs 5-lb./sq. ft.

600 sq. in. = 4.17 sq. ft.

Approximate weight - 20.8 lbs.



END OF GENERAL RULES SECTION



LATE MODELS



This Division will compete under the sanctions of NASCAR. The specifications listed will become part of the official NASCAR Rule Book, except in cases of obvious conflict. All technical rules will generally fall within NASCAR and La Crosse Fairgrounds Speedway specifications. Any disputes will be resolved by NASCAR officials. All drivers in this division must be a member of NASCAR to compete.

BODY AND APPEARANCE

1. Tech approved American Made production model of 1992 or newer.
 2. Convertibles, station wagons, truck bodies allowed with approval of the Speedway Management. ALL BODIES MUST BE STOCK APPEARING.
 3. All cars must have complete bodies, fenders, and trunks in proper configuration for the model and year. No car may qualify or race minus any part (without tech approval).
 4. Body must be centered within 2 inches, based on distance between outer edges of tires.
 5. Bars, plates, or pipes may not be welded or attached to the outside of any part of the body except a 1 inch by 1 inch rub rail touching the body during its entire length from wheel well to wheel well. It must be painted the same as its background.
 6. Body must be stock appearing: stock bumpers, and stock appearing grills. All body panels shall remain stock appearing with no additional holes, vents, ducts, bubbles, etc.
 7. No aerodynamic devices such as fixed or moveable skirts or barriers to modify airflow beneath, below or around the car permitted. No wings, belly pans, or vertical/horizontal air stabilizers.
 8. Nosepiece of all body styles shall be stock in appearance and dimension. It must be installed at the produced stock angles. Front nosepiece must be as produced - with no modifications or add-ons. (It May be repaired with tech approval.)
 9. Rear end of the car must be completely sealed, including area for tail lights. Rear bumper cover must be stock or molded rubber or fiberglass.
 10. Bodies may be steel, aluminum or fiberglass, provided stock appearance is maintained. No Kevlar parts allowed.
 11. Rear spoiler must be mounted in normal position. Must be single plane only. This means no excessive forward verticals, gussets, sideboards and no wrap-arounds. Spoiler may not exceed five (5) inches at highest point. Maximum width of rear spoiler is sixty (60) inches. Spoiler must be made of a clear "see through" material.
 12. Bodies must conform to templates and/or measurements supplied by speedway. The ABC body is allowed and must pass the "referee tech template".
- NOTE: Non ABC bodies must meet the measurements set forth by the tech official for your car. Non ABC bodies are subject to a minimum weight penalty of 25#. See weight rule.

WINDOWS/OPENINGS AND WINDSHIELDS

1. Must run a LEXAN windshield and clear (no tint) lexan or Plexiglas rear window. Minimum thickness of 1/8".
2. Length, size and area of windshield and all windows must be stock size angle and configuration.
3. Approved side-vent fill-ins allowed, and may not exceed seven inches at lowest point and continue 90 degrees upwards from that spot.
4. Window nets required and used. Window nets must release from top. Window nets must be attached to roll bars only. Ribbon-style Window Nets only. NASCAR type seat belt latch to fasten window net required.
5. A minimum of two front windshield and rear braces must be provided to maintain stock configuration at any time. Recommended braces are installed to chassis.
6. Windshield pillars must be in stock position and have stock appearance.
7. Opera window vents allowed.

CHASSIS/FRAME

1. The front stub frame must be a production model made by Ford, GM, AMC or Chrysler forward of the firewall, and at least 24 inches rearward of the spindle center. Frame must be finished out rearward.
2. The fabricated front stub frame must follow production Ford, GM, AMC or Chrysler layout (single frame rail, front cross-member design), front upper spring mounts must be directly attached to frame rail. Fabricated stub must be made a minimum of 2" wide, 3" tall. 120" wall rectangular steel tubing, all joints must be gusseted.
3. Ford struts may run rearward. Struts may dissect frame for travel only.

GROUND CLEARANCE

1. Frame and under carriage 3 & 1/2 inches.
2. All body parts 4 inches.
3. Front Spoiler 4 inches.
4. Everything behind rear wheels, except frame rail 10 inches (IROC Taper-on body allowed to the discretion of the tech official)
5. Those clearances are absolute!!

WEIGHT

1. Minimum weight must be met at any time with the driver in the driver's seat, hands on steering wheel, with helmet on head.
2. Right side weight of all cars shall be at least FORTY-TWO (42) percent of the car's minimum weight.
3. All added weight must be in 5 lb. minimum units and painted white AND NUMBERED TO MATCH THE CAR.
4. Weight must be attached to the frame structure. Do not mount to fire wall, fuel cell, battery mounts, floor pan or within driver's compartment. Weight attached behind the axle may not hang below frame rail (including kick-ups) and will be inspected for mounting.
5. Any loss of weight while racing will result in a cash fine of \$2.00 per pound.
6. Weight determined by the track scale only.
7. All cars must weigh a minimum of 2950 lbs. with the following weight adaptations:
 1. Add 50 lbs. for valves greater than 2.02 (see engine rule)
 2. Add **25 lbs.** for power steering (see steering).
 3. Non-ABC bodies must add 25# for every feature / semi-feature won. (Maximum of 50 #)
 4. Deduct 25 lbs. for approved stock **style** O.E.M. cast exhaust manifolds. (see techman for approval)
 5. Deduct 25 lbs. if **3** of the **4** specifications are done
 - A. The on-board fire extinguisher system has 2 nozzles:1 in driver compartment or engine, and 1 in fuel cell compartment.
 - B. Approved muffler system.
 - C. Fuel cell contains a rubber bladder.
 - D. Driver utilizes a "HANS" or Hutchens type device.
8. Minimum front end weight is 50% of current total at any time.
9. 20 lbs. added for each feature win. Driver will carry 10# of that weight from that feature win for the remaining regular season; the other 10# can be removed after the third night of competition following the feature win. Feature winners' weight applied at next race event they are competing in.

WHEELBASE

1. The shortest wheelbase acceptable is 104 inches measured from centerline of front wheel to centerline of rear wheel. A tolerance of 1/2" allowed.
2. Maximum track width 65 inches, center to center of tires at spindle height (front and rear) - 1/2" tolerance when using forged or cast after market steering knuckles to compensate for rotor hat thickness.

TRANSMISSION/DRIVELINE

1. American made passenger car O.E.M. manual transmissions: 3 speeds must have 3 operable forward gears, 4 speeds must have 4 operable forward gears. Body must have an operable reverse gear.
2. One or Two 360 degree driveshaft hoops required.
3. One piece steel driveshaft only, Minimum diameter 2&1/2 inch O.D.
4. Driveshaft must be painted white.
5. Transmission "quick change" units not allowed.
6. No automatic transmissions allowed.
7. A transmission claim may be implemented at any time. Claim would consist of \$50 cash and a swap of transmissions.
8. **Stock style shifter required.**

REAR ENDS

1. Any Conventional closed type rear end acceptable.
2. Solid Steel axles only (no gun drilled).
3. Quick Change rear ends acceptable.
4. A \$20.00 fine will be assessed to any car whose rear end plug is not secured while on the racing surface.
5. A gear rule may be implemented per technical bulletin.
6. No cambered rear ends (a tolerance of .4 degrees allowed). No crowned axles. No cambered drive flanges. No ratchet or gold tracks allowed.

BRAKES

1. All brake components (except linings) must be stock origin in stock location...no "after market" racing brakes.
2. Brake pedals must be in stock location. Pedals, and master cylinder optional.
3. Must have functional and working 4 wheel brakes.
4. After-market brake rotors acceptable.
 - A. Minimum rotor thickness 1 inch.
 - B. Aluminum rotor hats allowed.
 - C. Steel rotors only.
 - D. No drilled rotors.
 - E. No ceramic coatings.
5. Only one brake bias adjusting unit per car.

6. No floating brake caliper or rotors allowed.
7. Only single puck caliper allowed.
8. Brake system must be conventional Hydraulic type.
9. No aluminum calipers.

CLUTCH

1. Clutch disc with steel hub, completely steel pressure plate and steel, cast iron or aluminum flywheel are required and must be of stock type and size. A functional full circle fiber faced clutch disc with a minimum diameter of 7.25". No button clutches.
2. Only two, one inch holes, placed front to rear with access from top of car, with clutch disc and pressure plate visible must be provided. One 1/2" hole must be placed directly above flywheel teeth at 12 o'clock, for aid in compression testing.
3. Steel scatter shield required.
4. Multiple disc, small clutch or other than stock allowed. However it must:
 - A. Must be disc/pressure plate type clutch.
 - B. **No cone or coupler type allowed**
 - C. Clutch smaller than 7.25" not allowed.

SUSPENSION

1. Front suspension must be independent stock appearing conventional coil spring design and match frame manufacturer.
2. Upper A-Frame may be tubular type but must be conventional "A" design and inner pivot points not exceed 12 inches, and must have ball joint and mount from the top. Mono balls allowed.
3. Stock lower control arms and must have a ball joint.
 - A. Modifications allowed, but must maintain stock components, design and appearance.
 - B. Both fabricated and stock stub cars may use fabricated lower A-frames/control arms.
 - C. No Moveable lower spring cups.
4. Rear suspension may use leaf or coil springs.
 - A. Minimum spring internal diameter 4".
5. Only one shock per wheel. No "coil over" units of any type. No Coil Over eliminators. Shocks must be steel bodied. The maximum retail value (to all competitors) per shock is \$250.00.
 - A. Shock absorbers and components must be available to all Competitors from the shock absorber manufacturers.
 - B. Track Officials may use a shock absorber and internal components provided by the respective manufacturer as a guide in determining whether a Competitor's shock absorber and internal components conforms to the specification of the Rule Book.
 - C. The only shock absorbers and internal components permitted will be those approved by Track Officials.
 - D. Modifications or changes to the shock absorber and internal components will not be permitted.
 - E. Shock absorbers and components must be used as supplied by the manufacturer.
 - F. All approved internal components must be used in only their respective manufacturer's shock absorber.
 - G. External adjustments will not be permitted on any shock absorbers.
 - H. Shock absorber base valves will not be permitted.
 - I. "Steel" deflective disc valve shims must seal the primary metering faces of the single piston in the main shock body.
 - J. Shock absorbers utilizing a gas reservoir:
 - 1) Inert-gas pressurized shock absorbers must be mono-tube, deflective disc valve type with an integral gas reservoir.
 - 2) Only a single one-piece piston is permitted in the main body with one (1) shim stack on the compression side, and one shim stack on the rebound side and only a single floating piston will be permitted in the integral gas reservoir.
 - 3) The gas reservoir, maximum outside diameter must not exceed 2.600 inches.
 - 4) The divider piston must be installed to the manufacturer's specifications without any modifications.
 - 5) External shock absorber gas reservoirs will not be permitted.
 - 6) The gas reservoir must not be filled with any material other than in an inert-gas form. Oils or approved by Track Officials will not be permitted in the gas reservoir side of the shock absorber divider piston.
 - 7) An external Schrader / needle valve to pressurize the shock absorber with gas will be permitted.
 - K. No internal or external "bump stops" allowed on/in shocks.
6. No cantilever or rocker arm rear suspension.
7. Trailing arm tubes must be a one piece solid tube. (No rubber or springs allowed). No floating type rear axle housing mounts.
8. Aluminum replacement components of entire suspension system and chassis are NOT allowed, except:

A. Tie rod tubes	B. Rack housing	C. Trailing arms	D. Rear rotor hats	E. Rear hubs
F. Quick change center sections and side bells.	G. Wheel adapters and spacers, drive plates.			
H. Heim joints	I. Third link bracket	J. Third link tube	K. Lower strut tubes	
9. No device, mechanical or electrical for shifting weight will be permitted inside driver's compartment. No hydraulic weight shifting devices allowed.
10. Approved third link only (must be one-piece). Must be solid (no springs).
11. No rear sway bars allowed.

SPINDLES

1. Stock spindles allowed with modifications, however, must remain of stock material and design.
2. Stock hub and rotors or steel hub with after-market steel rotor optional. Wheel adapters are allowed. No Wide-5 aluminum hubs allowed on front. Maximum lug circle of 5&1/2" on front hubs.
3. APPROVED cast, forged, or steel after-market spindles only.

STEERING

1. Any type of conventional steering system allowed.
2. No ratio multipliers or one-piece shafts allowed.
3. Quick-release required.
4. Steering wheel "Nose Pad" required.
5. **Power steering is allowed. High pressure lines required. (See weight - 25 lb. penalty)**

WHEELS

1. Steel wheels only. Maximum width 10". Maximum measurement inside bead to bead. May be reinforced (non-ferrous wheels made by riveting components or bolting components are not allowed).
2. "Superlight or ultra light" wheels will not be allowed. Minimum wheel weights:
 - A. 20 lbs. wide 5
 - B. 21 lbs. for G.N. style (5x5).
3. Wheels will be weighed without tires and balancing wheel weights.
4. Bleeders not allowed.

TIRES

1. Tire maker, diameter, compound, manufacturer and style will be posted and determined by the Director of Competition.
2. Tires must be purchased through authorized speedway dealer. (See "Concept Tire Rules" in back of book)
3. Tires are subject to change adjustment and alteration.
4. No system of heating, soaking, sipping, grinding, buffing or changing the composition, **coding or** character of tire allowed. Note: anyone caught using or CARRYING tire softener in their hauler or pit area will be fined \$100.00 and immediately suspended for two weeks.
5. A tire "Minimum Softness" may be declared each race night. "Soft" tires will be confiscated.

ENGINE

1. Any Domestic engine may be run in any body style of standard production.
2. The engine must be located so at least one spark plug hole is even with or forward of a line projected between the upper ball joints with the caster, right and left, at zero degrees and the frame rail level. **(NOTE: In 2011, set back will be 2")** For Ford, Dodge and Toyota motors see tech man for set back.
3. Minimum crank height 11 inches. From center line of crank.
4. The lateral (side to side) location of the engine, measured from the cylinder heads, must be centered between the centerline of tires within two inches. (The difference in the measurement from one side and the other may not exceed four inches.)
5. No external oil pumps or dry sump systems. Altered oil pans & oil coolers optional. No aluminum oil pans.
6. No roller cams, no hard face overlay cams or mushroom tappets. Maximum valve lift .600 for G.M., .650 for non-G.M.
7. No automatic cam timing devices, no belt drive.
8. Stock appearing type harmonic balancers only. (No minimum.)
9. Engines must be of a standard production corporate model not to exceed a maximum of 362 cubic inches. Maximum overbore of .060 and stock stroke only.
 - A. No 180° crankshafts.
 - B. No light weight crankshafts.
10. All cars must run stock O.E.M., street application, single carburetor, cast iron intake and exhaust manifolds. No aluminum, EGR may be plugged. Approved Stock O.E.M. unaltered intake and exhaust manifolds. No modifications of any kind allowed. ("Bow Tie" intake unaltered, would fall within this configuration). (Availability of certain styles of exhaust manifolds may dictate the use of after-market or OTHER manifolds, future speedway bulletins will keep all teams informed on this matter.)
11. Cylinder heads must be completely cast iron.
 - A. Cylinder heads must be UNALTERED original "as cast" Form, with the following exceptions:
 - 1) Multiple angle valve grinds permitted. However, maximum angle not greater than 60 degrees may be done. Grind must be done with a steel cutter (no stones).
 - 2) Push rod holes may be enlarged. However, they may not exceed 1/8".
 - 3) Combustion chambers may be "cc" matched by resealing the valves ONLY.
 - 4) Intake, exhaust and head gasket surfaces may be re-machined (milled) to improve sealing.
 - 5) Head may be cut for valve seals.
 - B. Exclusive of the above exceptions: any cylinder heads with evidence of sanding, polishing, relieving, grinding, porting, angle milling, chemical treating, or abrasive blasting to the original cast form will be declared illegal.

- C. With exception of valve guide material. NO additional material of any kind may be added to the cylinder heads.
 - D. Valves must be of stock size for that head. Minimum valve stem size is 11/32. Any heads that require valves greater than 2.02 in size must add 50 lbs.
 - E. Any stock style valve springs and retainers allowed. No titanium valves allowed. Titanium retainers allowed.
 - F. Screw in studs allowed.
 - G. A maximum rocker arm ratio may be declared.
 - H. No shaft mounted rocker arms. Some manufacturer exceptions apply.
12. No Vortech heads allowed.
 13. Compression ratio of 9.0:1 is set; a tolerance of .4 is allowed, 9.5:1 will be declared illegal. Compression ratio is defined as the difference between actual cylinder volume at B.D.C. and T.D.C. which will be determined by the volume gauge and electronic sonic tester (whistler). The whistler reading is final. A "re-check " can be requested by race team, however, the re-check must take place within 30 minutes of original test. An illegal engine will result in the following penalties:
 - 1) Loss of earned points and monies won from that day's event.
 - 2) A cash fine of \$400.00 in lieu of confiscation will be assessed.
 14. Stock appearing valve lifter only (no roller or mushroom type). Diameter of lifter and lifter bores must be stock as produced for that engine. Lifters must be stock type steel, no composites & no ceramics. Must be magnetic. Lifter bores may not be sleeved with exception of block repair - maximum 3 bores on any block.
 15. No titanium parts.
 16. Camshaft bearings must remain stock babbit type (No roller).
 17. No plastic or aluminum blocks.
 18. No aluminum rods.
 19. Any type of rocker arm permitted.
 20. No crankcase vacuum pumps.
 21. Oil pan inspection plug mandatory.

NOTE: If you have any question on the legality of your heads, it is your responsibility to contact the late model tech official, before you put your engine together.

NOTE: Any engine may be impounded to check the internal components.

CRATE MOTOR GUIDELINES

The goal of the crate motor program is to continue to reduce the cost of the motors and to facilitate equitable competition. **All rules are subject to change without notice.**

1. Each team will be allowed a maximum of 2 motors assigned to it per year. Some examples:
 - A. The first motor can be used the first half of the year and then the second motor can be purchased for the second half.
 - B. 2 motors can be purchased at the start of the season and they can be used at any time.
2. The motors will be ordered through an approved distributor. All purchases must be approved (prior to purchase) by track, a maximum of two engines is allowed per race team. The track must inspect and record the bill of sales before any engine is eligible to compete.
 - A. A motor can only be replaced with the approval of the technical staff.
 - B. One motor can be replaced at the end of a season. In this case, the motor can be sold to another team and count as a new motor for the buying team. The seller can then purchase another motor. The track must be notified of sales of motors between teams so that the serial numbers can be transferred. Multiple car teams cannot transfer motors between cars.
3. **Acceptable only is one two barrel Holley 4412 cfm carburetor. No alterations of and/or no metal removed from the carburetor, except for enlargement of idle hole in throttle plate**
4. Exhaust manifolds (headers) must have primary pipes 15/8" or less into a 3" collector. Must use approved mufflers with headers.
5. Weight penalties, if any, will be reviewed at the technical staff's discretion.
6. **The current motors allowed: GM 88959604.**
7. Dodge & Toyota crate motors must be presented to Tech Staff for proper Carburetion, Exhaust and Weight specifications.
8. Crane 6300 rpm ignition box (# 230600006463) must be used.

CARBURETOR

1. Acceptable only is one two-barrel, Holley 4412 500 CFM carburetor. No alterations of and/or no metal removed from the carburetor, except enlargement of idle hole in throttle plate.
2. Choke housing may not be removed. Choke "Butterfly" may be removed.
3. Adaptor plate and/or spacer and gasket may not exceed 1 1/2 inches.
4. Jets may be changed. No dial-a-jet devices.
5. Carburetor restrictor plates may be required on all cars. Plates will be supplied by NASCAR officials. Opening size will be determined by NASCAR officials. Plates may not be altered in any way.
6. Air box opening at windshield may not exceed 27 inches long and 2 1/2 inches in height. Air box cannot dissect plane of where the windshield and dash meet. Air box must be forward of this intersection.
7. Only one 4" x 14" air cleaner element or less allowed.

8. No additional fuel reservoir or pressure equalizing systems allowed. A. Fuel filter must be used on suction side of fuel pump if used.
9. Mandatory throttle return springs working in opposite directions.
10. Stock type mechanical fuel pump only, pump must mount in stock location.
11. Carburetor must be secure. No vacuum leaks, and in stock location.
12. Carburetor components may not be altered to allow any additional air, air flow, or emulsify gas with air.

EXHAUST

1. Maximum O.D. of plumbing 4 inches.
2. Must exit behind driver.
3. This may be changed to further restrict noise emission.
4. No form of spacer plates allowed except for gaskets between head and exhaust manifold.

FUEL

1. Pump Gasoline only. No power boosting or oxygen enhancing additives allowed. Fuel test at track is final.
2. Vacuum fuel pumps only, NO electric or pressure systems.
3. Fuel tank must be separated from driver by a complete metal firewall.
4. Fuel cell must be secured with at least a minimum of four 1 1/2" x 1/8" straps over and under the fuel cell.
5. The fuel cell itself may not have more than a 22 gal. maximum capacity and must have an 11 inch ground clearance. (Note: Fuel cell size greater than 15 gallons must be approved by Tech Official) Absolutely no fuel cell "blocks" or any other device that will alter the fuel's location is allowed.
6. Fuel Cell Construction - 22 gauge steel with plastic or rubber bladder. Cell must have rear and front guards, baffles and foam. Cell must be protected with 1/8" steel plates on rear, right and left sides.
7. No nozzles, injectors, containers or lines for the purpose of dispersing pressurized liquids or gases - other than fire extinguishers allowed on race car.
8. Fuel cell must fit between rear clip of frame. Fuel cell must be centered (+/-1") off centerline of rear wheels.
9. Breather must exit back bumper cover on left.
10. Fuel fill to be approved by tech official. Fender fuel fill must be cabled.
11. Fuel fill cap must be secured (chained or cabled) to prevent loss. If possible, a fuel shut off valve should be installed near fuel cell.

RADIATOR

1. Any production radiator allowed provided it fits under the hood, in stock location. Aluminum radiators allowed with prior approval of Technical Supervisor.
2. Fan must have a shroud.
3. **Overflow catch can is required, Permanently installed ahead of engine firewall.**
4. No aluminum water pumps.
5. No antifreeze allowed in cooling system. \$20.00 fine for any violations.

ELECTRICAL

1. No magnetos, crank trigger, multiple coil or programmable systems allowed. Only one ignition system.
2. Approved ignition boxes only. Ignition boxes must be mounted in plain view.
3. Dual points, breaker or breaker-less systems allowed.
4. Batteries must be securely mounted between the frame rails, forward of the rear axle and covered.
5. Starter must use stock position and original mounting. Only one starter per car.
6. Stock 12 volt batteries only.
7. Master kill switch to the (+) positive side of battery. Switch must be located in center of car, with access from both windows.
8. Electronic traction devices not allowed.
9. Ignition wiring must be exposed.
10. ALL leads MUST be accessible and visible to Tech Staff.
11. Stock OEM firing order. Exception: #4 and #7 may be switched (only).

ROLL CAGE

1. Round steel 1 3/4" .095 roll-over bars are compulsory and must meet NASCAR minimums as prescribed in the Weekly Series Rule Book. Aluminum and/or other soft metals not permitted. Roll bars must be welded.
2. All cars are required to have a rear vertical hoop behind the driver's head connected to left and right front roll bar legs by a roof hoop. The front roll bar legs must follow the contour of the windshield post and cowl. The rear vertical hoop must be supported by a diagonal bar from top left to bottom right or top right to bottom left. A roll bar must connect the left and right of the rear vertical hoop at seat height. An "X" must connect left and right frame rail. An additional roll bar must be installed across the bottom of the dash board, extending from the left front roll bar leg to the right front roll bar leg. Rear support bars (no less than 1 1/2" round steel), left and right, must extend from the top of the rear vertical hoop to the rear of the frame in the trunk compartment. The front leg bars and rear vertical hoop must be connected with four horizontal door bars on the left side. The door bars on the left side, must be convex in shape and spaced from top to bottom as equal as space permits. A

minimum of 4 door bars must have six (6) vertical studs equally spaced. Two angular studs must be attached from bottom door bar to main frame rail. Right side must have at least 3 door bars. Transmission hoop and front hoop are required. Butt welds, joints, and connections must have gusset plates for reinforcement.

3. Roll bars must be padded and taped from top of frame on left side to center to top. .
4. Roll bar thickness will be ultrasound tested. Severe penalties will be assessed for violation of minimum thickness.
5. Top roll bar and hoop must follow contour of roof as close as possible. Roof hoop at sides or side window opening must be tight to roof as close as possible.
6. Door bar deflector plate mandatory. Door plate must be welded to roll cage. (See diagram on page 9).
7. Rear clip construction, either 'over tail' or 'under tail' conventional rear clips allowed. (Over tail is highly recommended.) Rear frame rail must be 2" x 3" box style tubing with a minimum thickness of .083.

MINIMUM SPECIFICATIONS

1. At any time, before, during, or after an event, officials may require additional measures of equipment or make additional determination, as they deem necessary to further reduce the risk to competitors.
2. All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare their car FREE of defects and in safe racing condition.
3. A. A quick release-type approved safety belt of no less than three (3) inches in width is compulsory. Both ends must be fastened to roll bar cage with aircraft quality bolts not less than 3/8 of an inch in diameter. A steel plate may be welded to the roll bar cage on the right side of the driver so the belt can be brought down in such a manner that it will prevent the driver from sliding from side to side under the belt. The belt must come from behind the driver.
B. 3" shoulder harness and additional V-Type seat belt mandatory. NASCAR-approved padded head rest mandatory. Shoulder harness inertia reel cannot be used.
C. Additional right side head restraints allowed.
4. Center top of steering post must be padded with at least two inches of resilient material.
5. It is required that race cars have an approved fire extinguisher with its equipment within ready reach for any emergency. Pressure-type metal containers used as part of a fire extinguisher system will only be approved for installation and discharge in the driver's compartment in conjunction with the fire extinguisher system. The container cannot be concealed in any manner and there is a limit of one container for each fire extinguisher system.
6. Driver's seat must be fastened to the frame.
A. Rib rest shall remain flexible and not reinforced.
B. Recommended seat be as far right as possible.
7. A. Window nets are required and used at all times. The NASCAR type seat belt buckle method of mounting is recommended.
B. Window net must be full size ribbon type.
8. All drivers must be protected at all times with a flame-resistant driving suit, top and bottom. 3) Recommend undergarments be worn under driver's suit.
9. Front and rear 'bumper' ends must be capped.

MISCELLANEOUS

1. All cars must run steel floorboard under the driver, metal firewalls. No tub type interiors.
2. Side window area must remain open other than window nets.
3. No carbon fiber or titanium parts anywhere. (see engine rule)
4. Aluminum racing seat required.
5. All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare their car FREE of defects and in safe racing condition.

GENERAL RULES, FLAG RULES, RACE PROCEDURES, CONDUCT AND DISCIPLINE RULES

1. Later bulletins and/or the decisions of the race officials will take precedent and their decision will be final.
2. Protests based on NASCAR standard operating procedure.

Late Model Technical Inspector - Don Sneller, 608-397-2810, dsneller@dishmail.net

END OF LATE MODEL RULES SECTION



GRAND NATIONAL SPORTSMEN



CAR AND BODY SPECIFICATIONS

1. Any 2000 or older U.S. made sedan or hardtop car is acceptable, providing it meets further specifications. Station wagons, convertibles, pickup bodies allowed with Speedway Approval.
2. Wheel Base:
 - A. GM full-frame and unibody type cars with a minimum of 108" wheelbase.
 - B. Chrysler - AMC - unibody type cars with a minimum of 108" wheelbase.
 - C. Ford - unibody or full frame cars with a minimum of 108" wheelbase.
 - D. An average of a 1" tolerance between both sides.
 - E. Maximum track width of 62 1/4" for 108" wheelbase and 65 1/4" for 112" or greater wheelbase. The Referee is the measuring tool.
3. Complete factory produced O.E.M. standard steel body and body structure must be utilized. The only body alterations allowed are:
 - A. Interiors and other flammable or combustible materials must be removed from car.
 - B. All glass with the exception of stock O.E.M. front windshield must be removed. Lexan windshields allowed with a minimum of 3 braces. Windshield must be at stock angle.
 - C. The following and only the following steel parts may be removed or altered:
 - 1) Hood and trunk may be de-braced.
 - 2) Front inner fender.
 - 3) Dash pad area and steel bracing.
 - 4) Door panels, AND ONLY THE DOOR PANEL, may be replaced with manufactured skins of a 22-gauge minimum steel material. Repeat: THIS IS DOOR PANEL ONLY! Technical Supervisor may disallow based on appearance and installation. Manufactured "skin" must exactly meet stock configuration, size and appearance.
 - 5) Door bar deflector plate mandatory. Plate must be welded to cage (see page 9 for diagram).
 - 6) Hood and Roof may be fiberglass.
 - 7) Minimum roof width 44".
 - D. Windshield posts and cowl must remain rigid and intact.
4. These items must remain as produced for make and model with no alterations:
 - 1) Front and rear bumpers.
 - 2) Rear package shelf.
 - 3) Rear seat back braces.
 - 4) Rear body panel (commonly behind the tail lights or bumper.) Tail light sockets must be covered.
- 5) These items may be replaced or altered, but must stay within stock configuration.
 - 1) Floorboards (damaged or weathered floorboards may be replaced with steel, must be at least the same thickness of stock floorboard, or a minimum of 22gauge steel, and remain in stock position. Passenger side may be raised for exhaust clearance only, not to exceed the height of the center hump.
 - 2) Firewall must be a minimum of 22ga. steel. Must be flat and dissect car from fender to fender. Must be located 4" back from rear of engine block.
6. All plastic or breakable parts such as grills, tail lights, and housings, side lights, etc. must be removed.
7. Grills must be replaced by stock appearing screen. All holes from door handles, side lights, etc. must be covered by metal.
8. Doors must be permanently and securely fastened shut.
9. Front fire wall holes created by removal of heater core, etc. must be sealed with metal patches.
10. Rear package shelf and rear seat brace area must be covered with steel only, no aluminum.
11. Factory produced O.E.M. front header panels and tail light fillers or bezels, or after-market front header panels allowed FOR THAT MAKE AND MODEL. (See tech man for exceptions).
12. Hood and hood angle: Height of hood (measured six inches back from bumper) must be within 2" of STOCK height for that make and model. Hood angle may not exceed 8 degrees (measured at a line from spindle to spindle).
13. No type of aerodynamic devices allowed anywhere. This includes factory produced front and rear spoilers. No open hood scoops of any kind.
14. Completely stock produced body configuration must be retained at all times, any evidence, of chopping, sectioning, cutting, or alteration of produced angles, heights, etc. will be declared illegal.
15. Wheel wells may be enlarged for tire clearance, but may not exceed 3 inches from circumference of tire and must follow circumference of tire.
16. Tires may not protrude outside of body. No add on type fender flares allowed.
17. Replacement of rust damage allowed on quarters and fenders below center line of bumper area.
18. Minimum roof height of 51.5". A maximum tolerance of 1" is allowed.
19. Driver's last name and number on windshield at least 5" tall.
20. Hoods and trunks must be chained or cabled to car.

FRAMES AND UNIBODY

1. All frame and unibody structures must remain absolutely O.E.M. factory produced.
2. All measurements for all vital parts, shape of, and location of mounts, whether it be suspension mountings, or body mounts, must remain exactly stock. Body must be centered on frame.
3. Frames and unibody structures must be produced for that make and model. (Some exceptions allowed with Speedway Officials approval.)
4. Frames may be reinforced by means of welding and plating, however, no additional square or round tubing, or solid iron beams may be used, except as outlined in roll cage.
5. Frames and unibody structure may not be lightened anywhere.
6. When applicable, body mounts may be changed or removed, but body and frame may never become one and the same by welding the body to the frame. Bodies may only be bolted to frames at original body mount locations.
- 7) Trunk lid must be level or slope down away from rear window.
(NOTE: an "overhang" rule may be implemented in 2010)

ROLL CAGES

1. A. Round steel 1 3/4" .095 rollover bars are mandatory. Aluminum and/or soft metals may not be used. At NO time may any "bolt together" or plumbing type threaded connectors be used. Roll bars must be welded. All roll bars must meet NASCAR guidelines in the NASCAR All-American Series Rule Book, and approved for workmanship and design.
B. Roll bar construction will be as follows:
 - 1) A rear vertical hoop behind the driver's head connected to left and right front roll bar legs by a roof hoop. The rear vertical hoop and roof must be as tight to roof as possible and always be above top of driver's head. The right and left front roll bar legs must follow the contour of the windshield post and cowl. The rear vertical hoop must be supported by a diagonal bar from top left to bottom right. A bar must extend between left and right rear hoop legs at seat height. An additional bar must extend between right and left front legs at dashboard height. Rear hoop support bars (2) must extend from top of rear hoop, (right and left). Rear-ward to trunk area of car. The front and rear legs must be connected with a minimum of four horizontal bars on the right side of car. An X-Type configuration may not be used on either side for door bars. The "door" bars must be as evenly spaced between floor and top of door as possible. Door must have at least two vertical studs between each door bar to the floor or frame. Butt-welds, joints and connections are recommended to include gusset plates for reinforcement.
 - C. A maximum of 4 bars may extend rearward from rear hoop of roll cage. 2 bars MUST extend rearward into the trunk area of car. The 2 remaining optional bars may not enter the trunk area.
2. A maximum of 4 reinforcement tubes may pass through the front firewall. Two (2) must attach beyond the front wheels. One (1) of the four tubes will serve as a diagonal flex bar and connect to the stub behind the right front wheel and tire: one bar may be added for foot protection.
 3. All roll bars within driver's reach must be padded.

SUSPENSION

1. Suspension and frame must maintain an absolute minimum ground clearance of 6 1/2 inches at all time.
 - A. This is a minimum. Parts of car that are factory produced at greater than five inches must remain at proportionate clearance.
 - B. 5 inches is the minimum clearance for all parts. 3 inch clearance for exhaust.
 - C. A 1/2 inch tolerance may be implemented on all ride heights at the tech man's discretion.
2. All front suspension mountings such as control arm mounts, spring locations, must remain as produced.
3. Lower control arms must be for that make and model.
 - A. Lower control arms must be stock, unaltered.
 - B. Upper control arms may be altered, but must utilize stock A-frame and are not adjustable. Approved after market upper A-frames allowed.
 - C. Any stock style ball joints may be used. Shafts may not be removable. No aftermarket adjustable ball joints allowed.
4. Any stock passenger car spindle may be used. Any stock passenger car hub, drum and rotor may be used. Large diameter wheel studs are OK. No spindle modification.
5. Any conventional type coil front spring with a diameter of 4 1/2" or greater can be used.
6. A. One shock per wheel. Any shock with a book value over \$80.00 ineligible.
B. Front shock location may be changed.
C. Rear shock upper mounts must remain as produced.
D. Rear shock mounts on rear axle may be raised or lowered to compensate for rear shock travel. Maximum of 2" on lower. Mounts may not be moved in or out from stock location.
7. Adjusters (wedge bolts) are allowed. Spring buckets may extend through trunk floor, however, may not exceed a maximum height of 2" above trunk floor, with trunk floor being at factory produced height.
8. After market sway bars allowed. The "arm" must be 13" (tolerance of .5"). The passenger side must be in the stock mounting position. The sway bar mounts must be in stock location. Driver side may float under the lower control arm or be mounted to the lower control arm in the stock location. Rub bolt not to exceed 1".
9. Rear suspension must remain as produced.
10. All rear suspension mountings must remain stock and unaltered.

11. All rear suspension parts, (excluding trailing arms), etc. must be of stock origin. Bushings may be replaced. No spherical rod ends. Any after-market trailing arms must be approved by tech officials.
12. Any steel O.E.M. leaf spring may be used, however cannot alter the wheel base for the car.
13. Any conventional type coil spring may be used in rear, but must have a minimum diameter of 4".
14. Rear sway bars are NOT allowed.
15. No aluminum suspension components allowed.
16. Adjustable front stock sway bars allowed.
17. No spline sway bars allowed.

STEERING

1. Conventional steering systems consisting of steering gear with pitman arms, idler arm, center link, and tie rods are the only type that may be used.
2. Systems may be manual or power. No alterations.
3. All parts must remain stock with the exception of the following:
 - A. Tie rods sleeve may be tubular steel, no aluminum.
 - B. Quick release hubs recommended.
 - C. Steering column may be replaced with rod system.
 - D. After-market power steering bracket allowed (aluminum OK).
 - E. Approved after-market power steering pump allowed. Must use braided lines.
4. Steering ratio may only be changed within steering gear box.

WEIGHT

1. Minimum weight 3150 lbs.
2. Weights will be based on true engine size instead of original engine size. Example: 350 cubic inch Chevy, bored .30 = 355 cubic inch.
3. Right side weight will be at least 44% of car's total base weight. Front end weight must be at least 50% of car's required weight.
4. Ballast weight must be at least frame height, painted white (with car #) and may not be located in the driver's compartment. A fine of \$2.00 per pound will be assessed for any car losing a weight on the track.
 - A. Deduct 25 lbs. for stock O.E.M. front nose pieces and baffles.
 - B. Add 50# for floater rear ends.

WHEELS

1. Acceptable only are steel wheels with a maximum width of 8" inside bead to bead.
 - A. Wheels may be reinforced.
 - B. 1. Factory styled and race type wheels are allowed.
 2. Wheel offset may not exceed - maximum 5 inches, minimum 2 inches.
2. Minimum weight of wheels 19 lbs. without balancing lead. Bleeders not allowed.
3. All wheels must have a reinforcing spacer plate (minimum 7" of 1/8" steel) between hub and wheel.

FUEL

1. Pump gasoline only. No power boosting additives allowed.
2. Mandatory fuel cell (maximum 16 gal) must be a minimum 22 gauge steel with plastic or rubber bladder. Cell must have rear and front guards, baffles and foam.
3. Fuel cell must be secured with a minimum of 4 - 1/2" x 1/8" straps over and under cell.
4. Minimum ground clearance equal to frame rails and no less than 1 1/2 inches.
5. Fuel cell must be centered between frame rails.
6. Fuel cell must be protected by 1/8" steel plates on right, left and rear of cell.

TIRES

1. All 4 tires must be of same wheel diameter.
2. Approved tire brands, sizes and configuration will be announced prior to season or by technical bulletin.
3. NO devices for, or process of: sipping, spraying, or disseminating softening materials or compounds allowed. \$100 fine and two week suspension for any team with "soft" tires.
4. A "minimum softness" may be declared each race night.

BRAKES

1. No deviation from stock allowed.
2. Brake pedal must remain stock location and mountings with no extensions or blocks.
3. Cars must have functional brakes on all four wheels.
4. Rear brakes must be drum style. Disk brakes allowed on floater rear ends only.

ENGINES

1. Any domestic engine of that corporate make may run in that corporate body of standard production.
2. Engine may be set back only as far as the UNALTERED frame, cross-member, and firewall permit. In the event a vehicle permits more, the maximum engine set back will be front spark plug even with upper ball joints at any time. Engine mounts are optional.
3. The lateral location (side by side) measured from the cylinders to center of front control mounts must be equal. Engine must be centered.
4. A minimum of 13 inches from centerline of the crankshaft to the ground must be maintained at all times.
5. Engine may be of any size providing bore is stock production or an over bore of .060 maximum, and stroke is stock for that production engine. Engine size must be declared on hood in cubic inches.
6. Altered oil pans with increased capacity are acceptable. Oil pan inspection plug mandatory.
7. No remote oil systems. Permissible is only 1 stock type oil filter in original location. No oil coolers, accu-sumps or additional oil lines of any type permitted other than line to oil pressure gauge.
8. All engines must have stock unaltered street application production single carburetor, cast iron intake and exhaust manifolds. No alterations of any type. This includes addition of material to manifolds. No "Bow Tie" intakes.
 - A. External modifications for clearance purposes only.
 - B. No spacers or adapter plates allowed.
 - C. No 21/2" Corvette, center dump manifolds are allowed on Chevrolet engines.
9.
 - A. Flat top pistons only, with no modification except minor valve relief.
 - B. No made for racing pistons allowed. Cast pistons only. Pistons must be approved for competition by Technical Supervisor.
 - C. Stock numbers, symbols, and location arrows must remain visible on piston top.
 - D. Ring combination, ring size and ring position must remain stock.
 - E. No interchanging of connecting rods.
 - F. Lifter baffles allowed.
10. Maximum compression of 9.0:1 a tolerance of .4 allowed. 9.5:1 will be declared illegal. Whistler reading is final.
11. Off track whistler readings are available for \$10.00.
12. The cylinder heads must be completely cast iron, the intake and exhaust ports must be in the original "as cast" configuration. Any evidence of sanding, polishing, relieving, chemical treating, abrasive blasting, alterations to original form, grinding, porting or the addition of material to the ports or combustion chambers will cause your heads to be Declared illegal. The valves must be of stock size and in stock location. The only allowable modifications are:
 - A. Combustion chambers may be "cc" matched by reseating valves only.
 - B. Intake gasket and head gasket surfaces may be re-machined (milled) to improve sealing.
 - C. Valve guide material optional.
 - D. Any type valve spring with stock steel retainers acceptable.
 - E. Only stock rocker arms are permitted. Stock-appearing stock-size valve lifters allowed only. (Max. 1.5 ratio) No mushroom or roller type-lifters or camshaft. No stud girdles.
 - F. Street application cylinder head casting only. Maximum 1.500 in. exhaust valves allowed on small block Chevys. Maximum 1.940 in. intake valves on small block Chevys.
 - G. Screw-in or pinned rocker studs are allowed.
 - H. No "Angle Plug" Chevrolet type heads allowed.
 - I. Head must reflect the following casting numbers in original form: Small Block Chevy: 882, 817, 916, 493, 487, 598, 511, 509, 373, 441, 993, 051, 596, 587, 974, 915, 991, 997. Small Block Ford: D80E-AB, D70E-DA, D1-AE thru D9-AE, DO-OE.
13. Only hydraulic cam and lifters are allowed.
 - A. Ford camshaft lift may not exceed .530" measured at valve retainer.
 - B. Chevy camshaft lift may not exceed .500" measured at valve retainer.
14. Stock crankshafts only for that make and model.
15. Stock components for that make and model including:
 - A. Balancer
 - B. Battery
 - C. Clutch (minimum diameter of 10")
16. Approved after-market starters allowed. Starters must be in stock location.
17. NOTE: Maximum cu. in. for Chevy motors 368 cu. in.; Ford motors 360 cu. in.; Dodge motors 368 cu. inch.
18. GM crate motor (P/N 88958602) is allowed to compete "as is" from manufacturer. Absolutely no changes of any type allowed. See tech man for other approved manufactured crate motors. NOTE: Engine must be sealed to compete. Re-manufactured, freshened or resealed motors will NOT be allowed to compete. **The Holley 4412 carburetor must be used.**

CARBURETOR

1. Acceptable only is one two-barrel Holley 4412 500 CFM carburetor. No alterations what so ever!!
 - A. Choke plate may be removed. Choke housing must remain in place.
 - B. Jets and power valve may be changed. No Dial-A-Jet.
 - C. No vacuum leaks between air cleaner and intact valves.
 - D. Adapter plate and/or spacer and gaskets may not exceed 11/2" at any point and must be made of metal
 - E. Acceptable only is maximum one 14" x 3" tall round stock air cleaner with stock appearing top and bottom.
 - F. No "carb" hats or other air flow devices allowed. No racing style air cleaners.

- G. No spacer between air cleaner bottom and carburetor.
- 2. Stock type mechanical fuel pump in stock location only.

EXHAUST

1. Maximum O.D. of exhaust pipe will be 2 1/4". Only 2 pipes per car. No grinding of any kind allowed. All manifolds must be approved by tech official. (Note: GM manifolds IN #10168494 and #12524289 are not allowed.)
 - A. No balance pipe permitted.
 - B. Exhaust plumbing must remain "under chassis" type design.
 - C. No "two into one" collector units.
2. Exhaust must exit behind driver, under body within 18" of rear tire.
3. Exhaust pipes must be just that. No flex tubing allowed.
4. Mufflers mandatory. (Mufflers must reduce engine sound level to 98 dba at 75 ft.)

RADIATOR AND FAN

1. Any production radiator permitted. Under the hood in-stock location that does not require any body modifications is acceptable.
2. Fan must have a shroud.
3. Radiator overflow catch can required, and Mounted forward of firewall.
4. Aluminum radiators allowed.
5. No electric fans for cooling radiator.
6. No antifreeze allowed; water only. \$25.00 penalty if found in car.
7. Front air shroud allowed, but may not extend more than 2 inches below bottom edge of bumper and exceed width of radiator.
8. No aluminum water pumps.

ELECTRICAL SYSTEMS

1. Tech approved stock type distributor with single breaker point and condenser type ignition. One stock coil, ballast resistor if applicable. MSD ignition modules allowed.
2. No after-market made for racing distributors, coils, multiple discharge systems, or any other type ignition that was not O.E.M.
3. Battery must be enclosed and secured to frame and located behind driver.

DRIVE TRAIN

1. Transmission optional providing if an automatic it remains O.E.M. stock with full size torque converter or manual trans must be O.E.M. with all gears operable; no 5 speed transmission.
2. Flywheel -
 - A. Automatics must have complete unlightened factory produced flywheel or flex plate. Stock automatic shifter mandatory.
 - B. Manual transmission must utilize steel pressure plate and steel or cast iron flywheel. Clutch disc must be minimum of 10" in diameter. "Dog eared" type clutches allowed. Shifter must be stock type.
 - C. Cars must provide inspection holes for clutch or torque converters.
 - D. Clutch protection must be provided. Blanket or strap type protection is minimum accepted protection. Scatter shields recommended.
 - E. No light weight or altered stock flywheels, such as D.M.'s L88 dish type flywheel allowed.
 - F. Hydraulic throw-out bearing allowed.
3. 360° driveshaft "hoop" mandatory, installed forward 1/3 of driveshaft.
4. One piece driveshaft only.
 - A. Drive shafts must be steel and stock for that car.
5. Drive shafts must be painted white.
6. Stock production rear ends for that make and model. Ford 9" rear end allowed on all makes. The Ford 9" must maintain its original stock mounting locations, maximum tread width of 62 1/4" on metric frames (108" wheelbase), & 65 1/4" on full frame (112" or greater wheelbase) cars on rear axles, front must be within 1" of rear not to exceed the rear measurement as measured with referee; and axle tubes must be of equal length. No after-market or aluminum parts allowed.
7. Locked rear allowed. Rear ends may be locked by either welding or steel mini-spool only.
8. Floating type axle assemblies allowed. (See weight rule).

MINIMUM SPECIFICATIONS

1. At any time, before, during, or after an event, officials may require additional measures of equipment or make additional determinations, as they deem necessary to further reduce the risk to competitors.
2. All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare their car FREE of defects and in safe racing condition.
3. A. A quick release-type approved safety belt of no less than three (3) inches in width is compulsory. Both ends must be fastened to roll bar cage with aircraft quality bolts no less than 3/8 of an inch in diameter. A steel plate may be welded to the roll bar cage on the right side of the driver so the belt can be brought down in such a manner that it will prevent the driver from sliding from side to side under the belt. The belt must come from behind the driver.

- B. 3" shoulder harness and additional V-Type seat belt mandatory. NASCAR-approved padded head rest mandatory. Shoulder harness inertia reel cannot be used.
- C. Additional right side head restraints allowed.
- 4. Center top of steering post must be padded with at least two inches of resilient material.
- 5. It is required that race cars have an approved fire extinguisher with its equipment within ready reach for any emergency. Pressure-type metal containers used as part of a fire extinguisher system will only be approved for installation and discharge in the driver's compartment in conjunction with the fire extinguisher system. The container cannot be concealed in any manner, and there is a limit of one container for each fire extinguisher system.
- 6. Driver's seat must be fastened to the frame.
 - A. Rib rest shall remain flexible and not reinforced.
 - B. Recommended seat be as far right as possible.
 - C. No fiberglass seats.
- 7. A. Window nets are required and used at all times. It is mandatory that the NASCAR type seat belt buckle method of mounting must be used.
 - B. Window net must be full size ribbon type.
- 8. All drivers must be protected at all times with a flame-resistant driving suit, top and bottom. Recommended undergarments be worn under driver's suit.

Sportsmen Technical Questions – Contact Chuck Deery, cdeery@centurytel.net

END OF SPORTSMEN RULES SECTION



THUNDERSTOX



ELIGIBLE MODELS AND BODIES

1. Any American made 1948 to 2000 standard sedan is eligible with wheelbase of not less than 106 inches. (No Camaros, Firebirds, Pintos, etc.) (No T-tops, sun roofs, convertibles, jeeps.) Trucks, mini-vans, station wagons, El Caminos and other misc. body styles allowed with approval of tech man.
2. Cars must be strictly stock. Hood must be kept in place at all times. Body sheet metal must be kept in place at all times. No holes in hood.

THE CAR AND BODY

1. Complete bumper-to-bumper steel unibody must be retained.
2. The stock steel unaltered floor pan, firewalls, trunk and trunk floor, and wheel-wells **MUST BE RETAINED**. NO sectioning, channeling or chopping allowed.
3. Cars must be strictly stock. No cutting, chopping, channeling, shortening or cutting allowed. No holes in the hood. Hood must be kept in place at all times. Body sheet metal must be kept in place at all time.
4. Front firewall must be sealed and intact.
5. No lightening of body components, such as hood, trunk, doors, inner panels, fenders and roof, except clearance for roll bar installation on front doors.
6. Trimming of wheel wells to the circumference of tire is allowed, but official's discretion may assess lap penalty for extreme cutting. Inner wheel well must be left in place.
7. Any sharp protruding objects on cars or in driver's compartment must be smashed down or removed.
8. The seam of the driver's door must be welded shut and/or double chained. If the driver's door comes open, the car will be disqualified.
9. All other doors must be welded, chained or bolted shut.
10. A flush, securely mounted exterior driver's door protection plate is permitted.

SEAT AND DASH ASSEMBLY

1. **Seat with seat belt and harness required. Racing seats allowed. Seat must be mounted in straight ahead position. If stock seats are used, a high back seat is required. Removable steering wheeled allowed, however steering shaft must remain in stock location.**
2. Complete dash assembly including all factory dash pads required. Cigarette lighter and ash tray may be removed. Only way dash can be removed is if replaced by roll bar hoop.
3. Rear bottom seat cushions may be removed. Rear-seat shelf or adequate firewall is **MANDATORY**.
4. Driver's door interior upholstery must remain in place or be suitably replaced.

BUMPERS AND BRACING

1. Car must have complete stock bumper, do not cut off bumper ends or corners.
2. Each bumper must each have two safety chains or straps to prevent the bumper from falling off the car.
3. No extra bracing anywhere of any kind.
4. Radiator bracing is allowed. Bracing may only used for radiator support.

WINDSHIELD AND GLASS

1. All glass (including headlights, tail lights, etc.) must be removed except for front windshield. Do not break glass out. Take it out before arriving at the race track.
2. No broken glass will be allowed in the car. Car must be swept clean.
3. Full front windshield required. No screens.
4. Lexan windshields may be used. Lexan windshields must have a minimum of three braces. Consult tech man for installation and appropriate Lexan thickness.
5. Cracked windshield should be taped.
6. Cracked windshield that impairs vision must be replaced.

ROLLBAR AND SIDE BARS

1. All vehicles must be equipped with a roll bar. The material used must be 13/4 x .095 or better milled steel. No pipe fittings, exhaust pipe or conduit.
2. Door bar or plate **REQUIRED** for four door hard tops with no door post.
3. The roll bar must be located directly behind the driver and reach as close as possible to the roof and the left side of the car.
4. Two support bars must be added to roll bar to form a triangular, strong structure.
5. Driver compartment bracing must remain inside the driver's compartment and may not dissect, bisect or pass through either the engine or trunk firewall. Such bracing may be installed as a safety feature only and may not reinforce the body or frame or alter the geometry of the car.



6. Roll bar installation is subject to inspection which will be closely scrutinized. Refer to illustration for possible designs.

NOTE: Four door hardtops (no door post must have door bars or plate as described below).

A flush, securely mounted exterior driver's door protection plate is permitted as an option.

NOTE: Plate must be same color as car body (entire door area may be white) and properly numbered.

NOTE: The plate should over-lap the front and rear door edges by at least 12 inches.

TRUNK AND HOOD LATCHES

1. All factory trunk and hood latches may be removed and replaced with straps, pins or #14 wire (no chains). Trunks and hoods must be easily opened by fire fighters and inspectors.
2. Stock and operable hood and trunk hinge mechanism required.
3. Padding under hood may be removed.

SUSPENSION

1. The rear sway bar (if so equipped) must be removed.
2. No additional modifying of the suspension is allowable - this means NONE.
3. Suspension parts must remain absolutely stock for that make and model of the car. No spacers, lumber or chains, etc., may be used to alter stock suspension of that car. Car must sit level.
4. Suspension must work and look stock. No pinching of shocks to stop travel. No racing shocks.
5. No spring jacks, blocked shocks or reverse shackles permitted.
6. Front wheel camber angle should remain within factory tolerance not to exceed one inch.
7. All four corners must measure within one inch of level.
8. No steering stabilizer shocks allowed.
9. Minimum ground clearance 6 inches. 4 inch clearance for exhaust.

GAS TANK

1. The stock gas tank must be removed and replaced with a safe, small and securely mounted fuel tank. A 6.6 gallon outboard marine type tank, small foreign car tank or small farm tractor tank not to exceed 8.0 gallons full is recommended.
2. Tank must be installed above trunk floor only, as far forward as possible in trunk area. (Ahead of rear circumference of rear tires when possible.) Tank must fill from inside trunk. No holes allowed in trunk lid. One fuel tank only.
3. The fuel line must exit from the top or side of the tank. No fuel lines in the driver's compartment. No electric fuel pumps. (See tech man for any 6 cylinder electric fuel pump cars.)
4. A complete firewall must seal the trunk area from the driver's compartment. Rear seat back may serve as the firewall. The trunk floor must be in place.
5. Tank must be secured by four "over the tank" 1 1/2" x 1/8" straps.

ENGINE

1. The engine must be strictly stock for that make and model, and in its original mounts.
2. No aluminum intakes or heads. Intakes must be stock for that make and model.
3. Hydraulic cams only. No solid lifters or solid lifter cams (no made-for-racing cams). Cam lift not to exceed .420 at cam. Cam lift not to exceed .460 for Fords, at cam.
4. No machining, grinding, etc. of any kind.
5. No after-market racing parts.
6. No dual point distributors.
7. BASICALLY: DON'T DO ANYTHING TO THE MOTOR!
8. NO ANTI-FREEZE ALLOWED - WATER ONLY!
9. No high performance or altered performance cylinder head configurations.
10. Maximum cu. in. allowed - Chevy-350 / Ford-351 / Dodge-360 / Other-372.
11. No cross matching of engine components. (Example: 305 heads must be on a 305 block).
12. No 64 cc chambered heads.

EXHAUST

1. Mufflers required.
2. Exhaust tubing may not exceed 2.25".
3. Muffler inlet and exit may not exceed 2.25"

BATTERY

Batteries must be strapped and securely covered. Batteries must be safely and securely mounted under the hood, for example:

- A. In stock location (platform may be reinforced slightly).
- B. In location where heater fan was located. Forward of firewall.

CARBURETOR

1. Carburetors must be stock including choke and choke hardware.
2. No dual-line pumpers.
3. One 2-barrel only.

4. No adapter plates or spacers.
5. O.E.M. carburetor only.
6. No Holley "After-market" carburetors. No Holley four barrels of any kind.
7. Stock O.E.M. Fuel Injection allowed on V-6 cars.

TRANSMISSION AND REAR END

1. Stock automatic transmission only.
2. Stock, unaltered rear-end only.
3. No extra transmission or engine coolers.
4. Stock type shifter.
5. Only one wheel may drive.
6. No posi rear-ends.

TIRES AND WHEELS (For V-8 Cars)

1. Tires must be stock passenger tires only - no truck tires, no recaps of any kind - no fancy, exotic, trick gumball tires of any kind. No 8 ply or 8-plus.
2. Maximum 7" wheels with 70 or 78/75 series tires with maximum footprint of 7 1/2 inches. 15" or 16" tires allowed.
3. No shaving tires. Wheel-wells must remain in place.
4. Mag wheels, special wheels or racing wheels are not allowed. Factory wheels or approved safety wheels allowed. 15" or 16" wheels allowed.
5. Reinforced racing type wheel mandatory on right front; Suggested on right rear. Left front wheel may be reinforced by plating washers or oversize nuts.
6. Offset on racing type wheel 3 inches maximum measured from back side.
7. No bias-ply tires.
8. No tire width larger than a 225.70. Tires do not have to be the same width on each wheel.
9. A track 'spec' tire may be implemented or a competitor tire claim may be introduced.

WEIGHT

1. For V-8 engines the minimum weight 3400 lbs. with driver.
 2. For V-6 cars there is no minimum weight.
 3. Absolutely no ballast or added weight.
- NOTE: Weight may be adjusted at any time during season.

MISCELLANEOUS

1. No mirrors.
2. Working third brake light optional.
3. Tanks, pumps, reservoirs, coolers or extra equipment may not be added to any part of the car. No high performance products.
4. No two-way radios. All drivers must have an operating scanner when on the racing surface. Scanner frequency: 454.000
5. The frequency, method, timing and type of car inspections and the number of cars to be inspected at any event will be determined by management. The management reserves the right to seal, mark or impound cars competing in their events for inspection purposes. Illegal items escaping detection during inspection does not make them legal. Illegal items will be confiscated.
6. Cars will be inspected before the event and will be impounded until race time. Additional inspections will be conducted after the event.
7. Any loss of wheel or tire requires you to immediately leave the race course. We will allow track damage. Damage to grass or infield while displaying your temper will not be tolerated.
8. One driver per car per night. Only one person may hot lap, qualify and race the car during the entire night.
9. Later Bulletins and/or the decisions of the race officials will take precedent and their decision final.
10. A fire extinguisher must be secured and within reach of driver.
11. All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare their car FREE of defects and in safe racing condition.

ELIGIBILITY

Experienced drivers are acceptable but previous race driving experience may disqualify you. Our officials will resolve any questions about your eligibility. ****REMEMBER!! DON'T DISAPPOINT YOURSELF IF YOU'RE A MINOR...GET YOUR MINOR RELEASE NOW! (15 years through 18 years.)**

Thunderstox Technical Inspector: Ray Loughan, 608-786-3233 (5pm-7pm only), raycaryll@centurytel.net

END OF THUNDERSTOX RULES SECTION

HORNETS

Eligible Models

1. Any 3 or 4 cylinder compact car. Maximum wheelbase of 103".

Interior

1. Dash, steering and pedals must remain stock.
2. Car radio and speakers must remain intact and in working condition.
3. Folding seatback fastened in position.
4. Racing seats allowed.
5. Interior floor pan must be complete. No holes.
6. All airbags must be deactivated.

Body

1. Sun roof openings must be closed with steel.
2. Remove all glass except windshield. Broken glass must be cleaned from inside car before arriving at speedway.
3. Driver's door must be chained or welded shut. Driver's door plate recommended.
4. Passenger door chained only.
5. Bumpers must be chained to frame.
6. Hood and trunk must be secured with hood pins only. All factory hood and trunk latches must be removed.
7. No gutting of steel body panels.
8. Working third brake light optional.
9. Stock ride height must be maintained.

Engine Compartment

1. Stock engine for that make and model from carburetor to the exhaust manifold.
2. Stock transmission.
3. All insulation under hood must be removed.
4. Battery must be in stock location. Secured by minimum 1/8" x 1" steel strap with minimum 3/8" hardware with large head washers.
5. Exhaust complete and leak free. Maximum size of 2" o.d. must run from engine to an area behind the driver.
6. Car horn must remain intact and in working condition.

Suspension

1. Steering and suspension must remain stock. No modifications. Ride attitude must be maintained.
2. 1/2" camber allowed. Measured with a carpenter square.
3. No ballast may be added.
4. Maximum 3/8" toe in or toe out allowed.

Cooling System

Any radiator allowed which will fit in stock mounts. An overflow container mounted in engine compartment. Water only in radiator. No anti-freeze.

Gas Tank

If gas tank is ahead of rear axle it may remain in place. If gas tank is behind axle it must be placed with a fuel cell or marine tank (max. 6.6 gal.). Must be secured by minimum 1/8" x 1" steel strap with minimum 3/8" hardware. Must be covered in hatchback in a metal case.

Tires

1. DOT tires of 60, 65, 70, 75, 78 series only.
2. Maximum tread footprint of 6.5"
3. Maximum rim diameter 15" Rim must be of equal size on all 4 corners.
4. Same size and profile on all 4 corners.
5. High performance tires not allowed.
6. Consult Tech Man for O.E.M. applications.

Safety

1. Helmet must meet minimum DOT standard, suggested Snell approved.
2. Gloves and long sleeves required.
3. Fire extinguisher required. 2 lb. BC rated mounted in quick release bracket within reach of driver.
4. Window nets and racing seatbelts are recommended.

Roll bar and Side Bars

1. All vehicles must be equipped with a roll bar. The material used must be 13/4 x .095 or better milled steel. No pipe fittings, exhaust pipe, or conduit.
2. Door bar or plate **REQUIRED** for four door hard tops with no door post.
3. The roll bar must be located directly behind the driver and reach as close as possible to the roof and the left side of the car.
4. Two support bars must be added to roll bar to form a triangular, strong structure.
5. Driver compartment bracing must remain inside the driver's compartment and may not dissect, bisect or pass through either the engine or trunk firewall. Such bracing may be installed as a safety feature only and may not reinforce the body or frame or alter the geometry of the car.
6. Roll bar installation is subject to inspection which will be closely scrutinized. Refer to illustration for possible designs.

NOTE: Four door hardtops (no door post must have door bars or plate as described below. A flush, securely mounted exterior driver's door protection plate is permitted as an option.

NOTE: Plate must be same color as car body (entire door area may be white) and properly numbered.

NOTE: The plate should over-lap the front and rear door edges by at least 12 inches.



Numbers

1. Minimum 18" high numbers in contrasting color on both doors and roof.
2. 6" number on upper right corner of windshield and on back of trunk - right side above tail light.
3. **NO** spray painted numbers. Cars with non-legible numbers will not be scored.

General

1. All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare their car **FREE** of defects and in safe racing condition.
2. Owner's phone # must be on roof.

Eligibility

1. Experienced drivers are acceptable, but previous race driving experience may disqualify you. Our officials will resolve any questions about your eligibility.
2. It is the goal of this class to have fun and race in an inexpensive way.

Hornets Technical Inspector - Greg Oliver, mrlflagman@msn.com

END OF HORNET RULES SECTION

R.A.Y.S. (Run.All. Your.Stuff)

GENERAL RULE SUMMARY

- 1) Any six or eight cylinder car.
- 2) Must have full cage and all standard safety equipment.
- 3) All events run on 1/4 mile track.
- 4) Cars may be qualified or lined up by draw.
- 5) Exhaust must exit under car and be directed downward.
- 6) Cars participating in the R.A.Y.S., may not compete in another division during event.
- 7) Rules subject to change.

SKIDDERS

1. Any Hornet is allowed to compete.
 2. Front wheel drive only.
 3. Rear brake must be intact and engaged.
 4. Rear wheels must have welded a skid plate on each rear wheel. Skid plate must not be able to "flip up". Chains or longer skid plates allowed to prevent plates from flipping. Skid plates should have all four sides bent (or fabricated) "up" to prevent skid plate from catching on anything.
 5. Novelty and "Skidder" division points awarded. Check speedway for necessary license required to participate.
 6. Have fun.
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CONCEPT TIRE RULES

LATE MODELS

- 1) A team may purchase only one tire per night, per car. Tire must be run in (at least) the feature.
 - A) Each tire will be coded to assure that each NEW tire is used in feature.
 - B) A tire will be considered new until it completes at least one half of any feature.
- 2) Tires will be plated "Lax" or have a unique symbol.
 - A) Every car registered at La Crosse Fairgrounds Speedway must have four properly plated tires by the second night of competition.
 - B) Non-registered cars must have properly plated tires in the following order:
First Night – None. Second Night – One. Third Night – Two. Fourth Night - ALL
(All non-registered cars will start no greater than eighth position for the first two FEATURES)
 - C) Teams may purchase tires from other teams; however, purchased tires will be treated as a "new" tire.
- 3) Any new team with four new tires must start at rear of field. Any team that is allowed to purchase tires after the season has started is subject to the following parities: Four tires - must start at rear of all fields for two weeks, behind inversion third week, eligible for new purchase after third week. Three tires - must start at rear of all fields for two weeks, eligible for new purchase after third week. Two tires - must start at rear of all fields for one week, behind inversion second week, eligible for new purchase after second week. All teams must have at least two used tires for any extended lap features.
- 4) NEW cut or damaged tires may be replaced if tire has code for that night, providing tire has not completed one half of the feature laps. Damaged tire must be inspected by Tire Marshall to approve new tire for following week.
- 5) Teams may purchase six new tires on first night of competition. Teams may purchase one new tire on the third night of competition. One per night there after.
- 6) Tires follow the driver, not the car. (Note: Some exceptions may apply, but only with the approval of the Tire Marshall.)
- 7) Penalties - Penalties subject to discretion of officials.
- 8) Only registered tires from the previous season may be registered (and coded if needed) with the Tire Marshall prior to the beginning of the season. 6 for Late Model, 8 for Sportsmen.
- 9) Cars participating in the semi feature are eligible for a new tire the following week, if they completed all laps in race.
- 10) Speedway Officials and management may make amendments or changes to these rules at any time.
- 11) All teams must submit a tire usage card before qualifying. Any team not submitting their usage card will be ineligible for a new tire at their next available race night, and may have to start at rear of field.
- 12) Teams must qualify on the tires they will use in the feature event. Any changes must be approved by Tire Marshall.

SPORTSMEN

**Same rules apply as the late models with the following exceptions:

- 1) Team may purchase a tire every second night of competition.
- 2) Teams may only purchase five new tires prior to season start.
- 3) Multiple replacement tires (damaged, etc.) allowed only with Tire Marshall's approval.