

# **NORTH STAR** **SPEEDWAY**

## **2010** **RULES AND REGULATIONS**

**NORTH STAR SPEEDWAY**  
**PO BOX 872753**  
**WASILLA, AK 99687**  
**(907) 746-6825 OR 746-68245**  
**FAX: (907) 746-6828**  
**[WWW.NORTHSTARSPEEDWAY.COM](http://WWW.NORTHSTARSPEEDWAY.COM)**  
**[oval@northstarspeedway.com](mailto:oval@northstarspeedway.com)**

## TABLE OF CONTENTS

<b>Disclaimer</b>	Page 6
<b>Section 1—General Rules</b>	Page 6
Amendment of Rules	Page 6
Competitor Obligation	Page 6
Finality of Decisions and Interpretations	Page 6
Violation of Spirit or Intent of Rules	Page 6
Reserved Participation Right	Page 6
Driver Responsibility	Page 6
Injuries	Page 7
Alcoholic Beverages	Page 7
Illegal Drugs	Page 7
Pets	Page 7
Illegal Parts	Page 8
Reserved Tear Down Right	Page 8
Interpretations and Application	Page 8
Disciplinary Action	Page 8
Protest Rules	Page 9
Protest Fees	Page 9
Protest Procedures	Page 9
Independent Contractors	Page 9
Competitor Agreement Regarding Rules	Page 10
<b>Section 2—General Policies</b>	Page 10
Prevailing Policy	Page 10
Licensing and Registration	Page 10
Pre-Race Scaling & Tech Inspection	Page 10
Post Race Scaling	Page 10
Inspections	Page 10
Refusal or Termination of Inspection	Page 11
<b>Section 3—Minimum Specifications</b>	Page 11
General	Page 11
Safety	Page 11
Pit Rules	Page 12
Track Rules—All Classes	Page 12
Flags	Page 13
Signal Lights	Page 13
Fines and Suspensions	Page 13
Race Procedures	Page 14
Flagging	Page 15
Official Scoring	Page 15
Points	Page 16
Daily Prize Money	Page 16
Season Point Fund	Page 17
Track Officials	Page 17
Membership	Page 17
Car Registration	Page 17
Fees	Page 17
<b>Section 4—Late Model Division Rules</b>	Page 18
<b>Section 5—Sportsman Super Truck Division Rules</b>	Page 21
<b>Section 6—Mini-Stock Division Rules</b>	Page 25
<b>Section 7—ThunderStock Division Rules</b>	Page 28



## **GENERAL DISCLAIMER STATEMENT**

**IT WILL BE EVERY DRIVERS RESPONSIBILITY TO READ AND UNDERSTAND ALL THE RULES SET FORTH HEREIN AND HE/SHE WILL BE HELD RESPONSIBLE FOR ANY NONCOMPLIANCE.**

**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 agree to comply with these rules. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION 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 impose any further restrictions that in his/her opinion do not alter the minimum acceptable requirements. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT THERE FROM. Any interpretation of these rules is left to the discretion of the officials.**

**THEIR DECISION IS FINAL.**

## **SECTION 1—GENERAL RULES**

**1.0 ALL CLASSES, WHETHER SANCTIONED OR NON-SANTIONED, WILL RUN EVERY WEEKEND. Unless approved by North Star Speedway Board of Directors.**

### **1.1 AMENDMENT OF RULES**

North Star Speedway reserves the right to add to, delete, supersede or modify any rules, exhibits or drawings that North Star Speedway deems necessary for the betterment and/or safety of racing. The North Star Speedway rules may be amended at the annual meeting, and subsequent publication in the North Star Speedway rulebook. In addition, the Board, pursuant to authority conferred by the promoters, may issue amendments during the racing season in the form of serially numbered and dated technical bulletins, which shall be distributed to the promoter and made available to participants at event drivers' meetings. Participants shall be responsible for being aware of and complying with all such amendments issued in the form of technical bulletins.

### **1.2 COMPETITOR OBLIGATION**

Every driver must inspect the racing surface and the racetrack area to learn of any defects, obstructions, or anything, which, in the driver's opinion, is unsafe and the driver shall report that condition in writing to a North Star Speedway track official. Any driver entering any racing event is considered to have inspected the track and determined that all conditions are satisfactory. If the driver does not feel that conditions are satisfactory, then the driver should not race. The driver further acknowledges that the driver is aware that auto racing involves risks and that by competing in an event the driver assumes these risks with full awareness and knowledge.

**1.2.1** When involved in an accident involving an injury to yourself, advise the racing officials immediately so the necessary reporting will be accomplished. **NO CLAIMS WILL BE CONSIDERED UNLESS REPORTED PRIOR TO LEAVING THE SPEEDWAY PROPERTY THAT DAY.** If you are physically unable to complete the necessary reports, a crew member must take the responsibility of reporting the injury and making sure all paperwork has been completed prior to leaving the speedway to insure benefits can be received.

### **1.3 FINALITY OF DECISIONS AND INTERPRETATIONS AND COVENANT NOT TO SUE**

The decisions of North Star Speedway race officials, at a sanctioned and/or non-sanctioned racing event, including the interpretation and application of rules, and the scoring of positions shall be final, binding and non-appealable, except as provided in paragraph 1.10, PROTEST RULES.

**1.3.1** All participants, as a condition of participating in a North Star Speedway racing event, agree that all decisions of North Star Speedway track officials regarding the interpretation and application of the North Star Speedway rules, and the scoring of positions, shall be non-appealable.

**1.3.2** All participants further covenant and agree they will not initiate any type of legal action against North Star Speedway, a North Star Speedway promoter, and/or North Star Speedway officials to challenge such decisions, to seek monetary damages, to seek injunctive relief, or to seek any other kind of legal remedy. If a participant pursues any such legal action, which violates this provisions, they the participant expressly agrees to reimburse North Star Speedway, or the North Star Speedway promoter, for all of its attorney's fees and costs in defending against such legal action.

### **1.4 VIOLATION OF SPIRIT OR INTENT OF RULES - UNSPORTSMANLIKE CONDUCT**

Any participant who defies or violates the spirit or intent of the North Star Speedway rules shall be considered to have engaged in unsportsmanlike conduct and shall be dealt with by North Star Speedway track officials depending upon the nature of the infraction.

### **1.5 RESERVED PARTICIPATION RIGHT**

The track promoter reserves the right to refuse to accept the entry of any car or participant. Furthermore, the track promoter reserves the right to revoke or cancel any entry, or any participant's claimed right to be on the track premises, if it is felt or determined that a participant's presence or conduct is not in the best interest of the sport of auto racing, the other competitors, the spectators, track management and/or employees of North Star Speedway.

### **1.6 DRIVER RESPONSIBILITY:**

The driver shall be the sole spokesperson for the car owner and team members in any and all matters, pertaining to the event. At all events the driver assumes responsibility for the actions of his/her car owner and team members, and may be subject to disciplinary actions as a result.

**1.6.1** No verbal abuse, cursing, or mistreating another person. We expect courteous conduct from all participants at all time. Each and every one of you has an image to uphold for the fans, sponsors, and the name of North Star Speedway. We will not tolerate profanity and/or any other unprofessional actions in front of race fans, officials, or management. At any time your dress, actions or conduct are not in the best interest of North Star Speedway you may be asked to leave the grounds with a suspension and a fine.

**1.6.2** No person or crewmember or a racecar will be allowed on the racetrack for any reason once the racing program starts, unless requested by a track official.

**1.6.3** No driver may get out of his car on the track or infield to argue or discuss the race with officials. If this rule is violated the driver may be disqualified for the event and/or future events.

**1.6.4** Should a disturbance of any kind occur, the party not in their respective pit would be considered to be at fault for causing the disturbance.

**1.6.4.1 Fighting:** Any participant directly involved with any fighting or misconduct at any North Star Speedway event, on the racetrack, in the pits, or on the track premises, at any time, may be fined up to \$150 and may be suspended from all North Star Speedway events for up to three weeks from the date of infraction and shall forfeit all points to the date of infraction and all prize money earned for the event.

**1.6.4.2** The display or use of any type of weapon at any time will result in permanent suspension for all parties involved and will result in the matter being turned over to the applicable law enforcement agency.

**1.6.5 Injuries:** Anyone injured in the course of the racing program or on the premises of North Star Speedway must notify the track office and provide all required information prior to leaving the premises on that date in order to be eligible for any insurance benefits. If the nature of the injury prohibits the injured party from speaking for him/herself, a spokesperson must provide the required information prior to leaving the premises on that date. An accident report must be submitted with 24 hours of racing. A doctor's release to race is required to drive in the next racing event.

**1.6.6 Alcoholic Beverages:** Consumption of alcoholic beverages in the pit area, or being under the influence of alcoholic beverages in the pit area, is prohibited until 30 minutes after the entire program for all divisions is completed. If a participant is caught consuming alcoholic beverages in the pit area, or is deemed to be under the influence of alcoholic beverages in the pit area, before the entire program for all divisions is completed, he/she shall be immediately ejected from the race track premises and forfeit all points and prize awards for that event.

**1.6.7 Illegal Drugs:** Illegal drugs are those substances or drug substances defined and prohibited by state and/or federal laws.

**1.6.7.1 General Prohibition:** Any participant either on the speedway grounds or in any area considered to be used in the operation of the speedway, such as parking lots or leased properties prohibits the possession or use of illegal drugs or drug substances, as defined above, in any form.

**1.6.7.2 Specific Prohibition, Violations and Penalties:** Any person who is found to be in possession of, or under the influence of, any illegal drug or drug substance on the Speedway property shall be immediately ejected from the race track premises and forfeit all points and prize awards for that event. NSS also reserves the right to notify and/or summon law enforcement officers in the event illegal drugs are found and/or suspected.

**1.6.7.3 Appeal and Hearing:** Any participant suspended for violation of the alcohol and drug policy rules will be granted a formal appeal hearing by a panel designated by the Board, provided the suspended participant requests such a hearing, to the Board in writing, within 14 calendar days of the date of suspension. It is the responsibility of the suspended participant to make such a request for a hearing.

**1.6.7.4 Reinstatements:** A participant suspended for violation of the drug policy rules, EXCEPT IN THE CASE OF PERSONS CHARGED WITH SELLING DRUGS ON SPEEDWAY PROPERTY, may as the result of a decision reached through the appeal and hearing process be reinstated, if:

A. In the case of drug use, it is mutually agreed that the participant, at his or her own expense, will produce documentation from a physician licensed within the state, certifying that he or she is drug independent, as a result of random and periodic examinations and urinalysis testing.

B. In the case of drug possession, it is mutually agreed that the participant, at his or her own expense, produces evidence satisfactory to the hearing panel that he/she was not in possession of illegal drugs.

**1.6.8 Prescribed Drugs:** If a participant is using prescription drugs on the advice of a physician, such use must be reported to the chief pit steward or racing director prior to the participant's entry into any speedway activity. Failure to so notify will subject the participant to penalties as prescribed above. Those drugs that impair judgment, driving abilities and/or alertness will not be allowed.

**1.6.9 Pets:** Participants, pit crews, and spectators are strongly discouraged from bringing pets to North Star Speedway, with exception of service animals. If a pet is brought onto the racetrack premises the following apply:

**1.6.9.1** Pets are not allowed in the pits unless restrained in personal vehicles only.

**1.6.9.2** If a pet is removed from a vehicle it must be accompanied and leashed at all times.

**1.6.9.3** Fecal matter is the responsibility of the pet owner and must be removed.

## **1.7 ILLEGAL PARTS**

Illegal parts shall be any parts or components of a racecar, or any alterations or modifications to any such parts or components, that do not meet the particular North Star Speedway rules and specifications of the class in which the racecar is competing.

**1.7.1** If any parts are found to be illegal, all illegal parts or components, through tear down or as a result of a protest, claim or inspection shall be confiscated by track officials and forfeited by the participant to North Star Speedway. All such forfeited parts shall be delivered by track officials to North Star Speedway management and shall become the property of North Star Speedway to be disposed of at its discretion.

**1.7.2 Illegal.** Being illegal consists of any aspect of the racecar which violates, or results in a violation, of any North Star Speedway rules or specifications.

**1.7.2.1** Tampering or altering tire compound will be determined by durometer readings and/or bagging method.

**1.7.3 Disallowed if not allowed.** If the rules do not specifically allow a part or component, or do not allow specific alterations or modifications to a part or component, then they are all disallowed.

**1.7.4 Removal of Identifying Marks.** Any grinding, defacing or otherwise removing or obliterating casting marks, casting numbers, or any other identifying marks or numbers on a motor, chassis or part will automatically render that part illegal.

## **1.8 RESERVED TEAR DOWN RIGHT**

North Star Speedway reserves the right to tear down the engine of any racecar in any class at any time. This reserved tear down right is separate and distinct from any inspection to which any racecar in any class is subject.

**1.8.1 Procedure.** A tear down shall consist of disassembly of the upper end, or lower end, or both, of the engine. An upper end tear down includes, but is not limited to, the removal of the carburetor, spacer plates or adapters, valve covers, intake manifold, exhaust manifold, headers, valve train components and heads. A lower end tear down includes, but is not limited to removal of oil pan, crankshaft, rods, and pistons.

**1.8.2 Fee for Tear Down.** North Star Speedway shall advise the driver that a tear down is requested. North Star Speedway is not subject to a tear down fee.

**1.8.2.1** North Star Speedway tear down rules and regulations do not apply to INEX Legends or Baby Grand Stock Cars.

**1.8.3 Confiscation.** Failure of a participant to surrender parts for confiscation shall result in a separate penalty, in addition to any other penalties for illegal parts under these rules, of two times the estimated retail value of the illegal parts as determined by North Star Speedway.

**1.8.3.1** Any car involved in an accident resulting in serious injury or death will be impounded by North Star Speedway officials for investigation purposes.

## **1.9 INTERPRETATIONS AND APPLICATION**

If there is a disagreement or dispute regarding the meaning or application of the rules, the interpretation and application by the Track Officials shall prevail.

**1.9.1** All decisions shall be final and non-appealable.

**1.9.2** It is the racer's responsibility to keep his/her car legal at all times.

**1.9.3** If a car passes entry inspection, it is not automatically declared legal.

**1.9.4** For any unnecessary roughness on the racetrack, including but not limited to "bumper driving", the race will be stopped and the driver/s will be put into the pits. Such driver/s will be disqualified and no points will be awarded.

**1.9.5** Management and Track officials will determine finishing positions and their decisions are final.

**1.9.6** The rules are in place in order to:

- A. Ensure a level playing field among the drivers,
- B. Protect competitors, officials, and spectators,
- C. Provide a professional environment for the participation and enjoyment in and of motor sports.

### **1.9.7 Disciplinary Action**

Disciplinary action levied upon competitors and/or spectators by Track Officials and/or Management are a means to ensure that track rules are followed. Possible disciplinary action, in order of severity, is as follows: warning, fine (amount to be determined, not to exceed \$500), and disqualification of associated car and driver, suspension,

banishment. Should an action be of such a severe nature that local law enforcement intervenes, the violator will be subject to both track and local law enforcement actions.

**1.9.7.1** Actions on the racetrack during the course of a race event are subject to the immediate calls of the flag person, who may confer with the Race Director and/or other track officials for clarification of a situation. These may include lap penalties, position penalties and possible ejection of car and driver from the race. Ejection of car does not constitute a disqualification. Disqualification is a disciplinary action, which involves loss of championship points and possible winnings. An ejection effectively ends the racing event for that car and driver, same as if they were in an accident and did not return to the race.

**1.9.7.2** Track Officials, based on the severity of the rule infraction and the disciplinary record of the person or persons involved, will determine appropriate disciplinary action. Disciplinary action will be administered only after a thorough review process and following a 'cooling down' period. A competitor who is subject to disciplinary action will have his/her event winnings held until the matter is resolved by Track Officials.

### **1.10 PROTEST RULES Application.**

The engine protest rule is applicable to all NORTH STAR SPEEDWAY classes, at all track events. Exception: INEX/Legends, BGSCA/Baby Grand Stockcars.

**1.10.1 Racecars Subject to Protest.** All racecars competing in the feature event.

**1.10.2 Eligibility Requirement to Protest.** Any racecars competing in a racing event, which:

- A. Have a driver who possesses a full NORTH STAR SPEEDWAY driver's license for that class of cars.
- B. Meet the minimum class' weight and are otherwise legal under North Star Speedway and/or their sanctioning bodies rules.
- C. Have a driver who has registered his/her intent to protest with a track official at the completion of the event.
- D. Tendered the required class protest fee.

**1.10.4 Protest Fee** \$250.00

Disposition of protest fee. If, after tear down, the car is found to be legal, 75% of protest fee will be paid to the protested driver and 25% of the protest fee will be paid to the racetrack. If, after tear down, the car is found to be illegal, 75% of the protest fee will be returned to the protesting driver and 25% of the protest fee will be paid to the racetrack.

### **1.10.5 Protest Procedure.**

After the feature race, a track official will notify the driver of the relevant racecar that his/her racecar has been protested. The protested driver shall then proceed directly to the area designated for inspection and tear down pursuant to a protest. Track officials will then proceed, in accordance with the class of racecar protested, to tear down the engine in the protested racecar.

**1.10.6 Special Provisions Relating to Protests.**

- A. Only the driver may protest.
- B. A driver may only protest one item per race under the 250.00 protest fee.
- C. Only the tech inspector and race director has the final word on the legality of the racecars involved in a protest.

**1.10.7 Penalties or Sanctions Related to Protests.**

If any parts are found to be illegal, the provisions of paragraph 1.7 ILLEGAL PARTS and paragraph 1.8.3 CONFISCATION OF ILLEGAL PARTS shall apply.

**1.10.8 Withdrawal of protest.** If a driver declares an intent to protest and tenders the required protest fee and then changes his or her mind and withdraws the protest, he or she will then forfeit all money and awards for that event and may lose all points and or awards for that day or all points earned to date. The determination of appropriate penalty is at the discretion of track officials.

**1.10.8.1 Refusal of protest.** Any driver who refuses to allow an inspection / tear down, pursuant to a protest shall be subject to the following penalties:

**1.10.8.1.1** First refusal to allow an inspection/tear down pursuant to a protest, driver forfeits all cash and all contingency winnings for the event, any trophies earned in the feature, plus loss of all track points earned to date.

**1.10.8.1.2** Second refusal, driver forfeits all cash and all contingency winnings for the event, any trophies earned in the event, loss of all points earned to date plus a suspension to be determined by track officials.

### **1.11 INDEPENDENT CONTRACTORS**

All North Star Speedway participants are independent contractors and are not the agents or employees of North Star Speedway, Inc. North Star Speedway participants, as independent contractors, are solely responsible for preparing

their racecars to perform in North Star Speedway racing events, in accordance with the North Star Speedway rules and procedures. As independent contractors, North Star Speedway participants are solely responsible for compensating their employees, agents, or pit crewmembers. North Star Speedway participants, as independent contractors, also assume full responsibility for reporting or filing any reports or tax returns with the appropriate authorities on any and all earnings or funds received as a result of their participation in North Star Speedway racing events, including but not limited to, Federal Social Security taxes, Federal income taxes, State taxes, Federal and State withholding taxes, unemployment taxes and workers compensation insurance. Completed W-9 forms will be required prior to any race payout. In addition IRS 1099 forms will be issued for the seasons proceeds for every driver.

#### **1.12 COMPETITOR AGREEMENT REGARDING RULES.**

A participant, by competing in a North Star Speedway racing event, specifically agrees and acknowledges the following:

**1.12.1** That he/she is familiar with and understands all of the North Star Speedway rules and procedures as set forth in this rulebook.

**1.12.2** That by applying for a NORTH STAR SPEEDWAY competitors license, or by participating in a North Star Speedway racing event, he/she specifically agrees to abide by all of the North Star Speedway rules and procedures.

**1.12.3** That by entering a North Star Speedway racing event, a competitor certifies that his or her racecar meets all of the requirements of the North Star Speedway rules for participating in a North Star Speedway racing event.

**1.12.4** That, if as a result of an inspection, tear down, protest, or claim, a competitor's racecar is determined to be illegal, it is the sole responsibility of the competitor, who bears the burden of proof, to prove that his/her racecar is in compliance with the applicable North Star Speedway rules and requirements.

### **SECTION 2—GENERAL POLICIES**

**2.1 PREVAILING POLICY**—North Star Speedway reserves the right to determine the type of race program, distance of races, method of starting, and the numbers of cars to be entered in any event.

**2.2 LICENSING AND REGISTRATION**—To race in any North Star Speedway racing event a driver must be at least fourteen (14) years of age (unless sanctioning body differs), have signed an application for a NORTH STAR SPEEDWAY competitors license, paid the required fee, parent(s) or legal guardian completion of minor authorization form (once a season prior to racing), and be in good standing.

**2.2.1** North Star Speedway reserves the right to deny a competitor license to any driver.

#### **2.3 PRE RACE SCALING & TECH INSPECTION**

**2.3.1** Random checks.

#### **2.4 POST RACE SCALING**

**2.4.1** In all classes, the top three finishing racecars in their feature race must scale. Any driver required to scale, immediately following the qualifying and/or feature events, who:

A. Does not go directly to the scales, or

B. Avoids going to the scales, or

C. Does not remain at the scales until scaled, or

D. Does not meet the minimum weight or percentages for the class, according to the scale at the racetrack for the event,

THEN: shall be disqualified and forfeit all day points as well as all prize money for the day, but may still be subject to the claim rule, if applicable.

#### **2.5 INSPECTIONS**

**2.5.1 Timing and Scope of Inspections.** All racecars competing in North Star Speedway racing events are subject to inspection by track officials at any time and to any extent or degree as determined by track officials, in their sole discretion. The decisions by track officials regarding the specific race cars to be inspected and the timing, scope or extent of any inspection are final, binding and non-appealable.

**2.5.2 Minimum Specifications Inspection.** An inspection, usually conducted at the beginning of a racing season or a racing event, to determine whether a racecar complies with the minimum applicable chassis and body specifications and all safety requirements. Any deficiencies or rule violations discovered must be corrected before the racecar will be allowed to compete in the racing event. At the discretion of the race director, certain variations may be allowed on

cars running for the first time under these rules. Racecars and/or drivers with violations of safety rules will not be allowed to participate in any racing events or allowed on track at any time until safety violation is cured.

**2.5.3 Post-race Inspection.** An inspection, conducted after a racing event, to determine whether a racecar complies with all of the applicable rules and specifications, for that class of racecar, with the scope and extent of the particular items to be inspected to be determined by North Star Speedway track officials, in their sole discretion.

**2.5.4 Effect of Prior Inspection.** The fact that a racecar has passed a minimum specification inspection, a pre-race inspection is no guarantee or assurance that the racecar will pass a post-race inspection.

**2.5.5 Cooperation of Driver.** In connection with any type of inspection, the driver must cooperate with North Star Speedway track officials to enable track officials to conduct or complete an inspection, including removing or disassembling various parts or components.

**2.5.6 Refusal or Termination of Inspection.**

**2.5.6.1** Any driver who refuses to allow a pre-race or a minimum specification inspection to be conducted will not be allowed to compete in the racing event.

**2.5.6.2** Any driver who refuses to allow a post-race inspection or who terminates an inspection in progress, shall lose all points (both national and track points) and forfeit all money and awards for that event.

### **SECTION 3—MINIMUM SPECIFICATIONS**

**3.1 GENERAL**—At any time, before, during, or after an event, North Star Speedway track officials may require additional measures or equipment, or make additional determinations as they deem necessary, to further reduce the risk to competitors.

**3.1.1** All cars are subject to a minimum specification inspection at any time and a refusal of such inspection is subject to rule 2.5.6, REFUSAL OR TERMINATION OF INSPECTION.

### **3.2 SAFETY**

**3.2.1** Helmets are required, must be a minimum of SNELL SA current or 2 prior ratings (which are released every 5 years), and must be worn at all times when the car is on the track and must accompany the vehicle at time of inspection. It is recommended that helmets meet the specifications set forth in the Federal Motor Vehicle Safety Standard Regulations or meet the specifications set forth by the American National Standards Institute, Inc.

**3.2.2** Driving Suit. It is REQUIRED that at all times, the driver shall wear a SFI rated driving suit, gloves, and shoes of fire resistant material that effectively covers the body. Fire resistant undergarments are recommended.

**3.2.3** Mirrors are allowed, except not to extend outside the body. Exception: Legends—INEX rules regarding issues will prevail.

**3.2.4** Seat Belts/Harnesses are required. Seat belts must be dated by the manufacturer and must not be used beyond 5 years after the manufacture date. All seat belts/harnesses are REQUIRED TO BE 5-POINT original construction. A quick-release belt of no less than three (3) inches wide is REQUIRED. For all classes the entire following specifications are REQUIRED: Both ends of the lap belt must be fastened to the roll cage or frame rails with a grade 8 bolt of at least 3/8-inch diameter; shoulder harness must be no less than three (3) inches wide and must come from behind the drivers' seat; where the harness crosses the roll cage, it must pass through a steel guide welded to the roll cage that will prevent the harness from sliding side to side; a center (crotch) belt must be securely mounted to the lower seat frame at the bottom and to the lap seat belt on the top; where the Seat belts/harnesses pass through the seat edges, it must have a grommet installed, or be rolled, and/or padded to prevent cutting of the belt; and all Seat belts/harnesses and shoulder harness must connect at the lap belt with an approved quick release buckle. Belts will be inspected from time to time for their condition; if the belt is frayed or sun beaten or have been altered in any way; OFFICIALS will REQUIRE the belt to be replaced before racing.

**3.2.4.1** North Star Speedway strongly recommends the use of a head and neck restraint system.

**3.2.5** All cars, except Legends, will be REQUIRED to be equipped with an SFI-approved window net (recommended five year date limit) or driver arm restraints.

**3.2.6** All cars will have a fire extinguisher securely mounted in the car within the reach of the driver and emergency response personnel. Fire suppression system is highly recommended.

**3.2.7** ON/OFF switches will be clearly marked on ALL cars and located for access from both sides of the car. (Exception: Legends and Baby Grands will meet respective sanctioning body rules)

**3.2.8** All participants MUST have in their pit area, accessible, as part of their equipment, at all times, a fully charged dry chemical, Halon, or its equivalent fire extinguisher.

**3.2.9** Passengers will not be permitted to ride in/on the racecar at any time.

**3.2.10** The drivers must not compete in any event with head or arm extended outside of a closed body racecar.

### 3.3 PIT RULES

**3.3.1 Speed limit in pits** is walking speed, approximately **3-5 mph**.

**3.3.2** Beer and alcoholic beverages may not be seen or consumed in the pits for the duration of days racing events.

**3.3.3** Children

**3.3.3.1 Forms.** A fully executed Parental Consent, Release and Waiver of Liability, Assumption of Risk, and Indemnity Agreement and Minor's Assumption of Risk Acknowledgement must be completed prior to anyone under the age of eighteen (18) being admitted to the pit area.

**3.3.3.2** Children 9 years old to 14 years old are allowed in the pit area only if they are a licensed driver for that day's event.

**3.3.3.3** Children 9 years old to 14 years old must stay in or on the trailer except when competing and/or accompanied by an adult.

**3.3.3.4** Any child found in the pit area unattended by an adult will be immediately removed and their wristband removed. Second offenses will not be tolerated and will be handled by Track Officials and/or Track Management, including but not limited to suspensions and fines.

**3.3.4** Anyone caught in the restricted area (Pits) without a wristband will be fined \$150.00 and not be allowed back in the restricted area (Pits) until the fine is paid.

**3.3.5** Pits close at midnight during scheduled race events, unless otherwise posted. Anyone overnighing in pits or parking area is responsible for cleaning up after themselves. Children must be supervised at all times. Any damage of North Star Speedway property will be the responsibility of the offending party/ies. Repeated offenses could cause loss of privileges of overnight stays.

**3.3.6** Only one support vehicle allowed in the pits per race car.

**3.3.7** No motorized conveyances without track permission.

### 3.4 TRACK RULES—ALL CLASSES

**3.4.1** All cars will pass their own class/sanctioning bodies' technical inspection.

**3.4.2** All welds shall be of high quality, i.e., roll cages, bumpers, nerf bars (exception Demolition Derby).

**3.4.3** No driver's compartment-mounted weight jackers or remote suspension adjustment devices allowed in any class.

**3.4.4** All cars will start the days racing event (first race for class) with ALL body parts intact, i.e., hoods, fenders, trunk lids, and bumpers.

**3.4.5** All drivelines / drive axles will be painted white. Car number must be marked on driveline.

**3.4.6** All cars will have a driveline safety hoop (minimum 1/8" x 1-1/2") to control front u-joint failure.

**3.4.7** Weights will be painted white with car number either painted or lettered in black. Exception—INEX weights that will be painted florescent orange.

**3.4.8** All cars will have provisions on front and rear to facilitate the removal of disabled cars.

**3.4.9** All cars will have a windscreen to prevent the driver from being hit by flying debris, i.e., 1/8" Lexan windshield, or 1/2" x 1/2" maximum wire mesh and a minimum of three (3) 3/16" bars in front of the driver. Exceptions: Legends; Baby Grands.

**3.4.10** All cars will run mufflers i.e., Turbos and meet a decibel level of 88 within 200 feet. Mufflers will be encompassed within the car's body. Must exit behind the driver. No exceptions.

**3.4.10.1** All mufflers must be welded.

**3.4.10.2** If a muffler fails to function or falls off a car you will be black-flagged.

**3.4.11** All liquid cooled cars will have a catch (puke) can.

**3.4.12** All cars will have roof numbers (15" minimum height) that are clearly visible and facing the timing/scoring stand from the back straightaway.

**3.4.13** All cars will have numbers (12" minimum height) on the sides of the cars that are readable from the timing/scoring stand.

**3.4.14** All cars shall be presented neat and clean. No mud or dirt tucked up under the vehicle. All pop rivet pins, screws, or any metal filings must be cleaned out of vehicle to prevent track debris.

**3.4.15** No traction control devices of any type are allowed.

**3.4.16** Prior to the first race event of the season, you may purchase an initial supply of tires. Alternatively, in pre-paid situations, may withdraw your initial supply from the secured area. The owner, driver, or a designated licensed member of any race team may then purchase or withdraw their allotment per week. A week is defined as Sunday through Saturday. **See each Class Rule for specifics.**

### 3.5 FLAGS

**3.5.1 Green flag:** Signifies the start of the race, cars must maintain position as designated by Track Officials until they have crossed the start/finish line. (See Start/Finish Line in Race Procedures Section.)

**3.5.2 Yellow flag:** The yellow flag signifies caution. All cars receiving a yellow flag/lights will slow down to a caution pace, hold their positions, and form a single line behind the lead car.

**3.5.2.1** Restart position will be based on the last completed lap.

**3.5.2.2** North Star Speedway Track Officials have complete discretion to determine the positions of the cars at the time the yellow flag was displayed and to reposition the cars in accordance with their determination.

**3.5.2.3** On a yellow flag, all cars must slow immediately; failure to do so may result in a black flag.

**3.5.2.4** In the event a caution vehicle is used, no car may pass the caution vehicle unless directed to do so by a Track Official.

**3.5.2.5** Any cars illegally passing the caution vehicle or race leader will be black-flagged.

**3.5.2.6** Crew Members must not go on the track during a yellow flag

**3.5.2.7** The Official Starter will indicate one (1) lap before the green is displayed.

**3.5.3 Red flag:** A red flag indicates that all cars MUST stop on the track immediately, regardless of their position.

**3.5.3.1** Red flags should be used if, in the judgment of Track Officials, the race should be stopped.

**3.5.3.2** Repairs, service, fueling will not be permitted on any car on the racetrack during a red flag. Cars returning to the racetrack from the pit area while the red flag is out must line up at the rear of the field.

**3.5.4 White flag:** When the white flag is displayed, it means the leader has started his/her last lap.

**3.5.4.1** If on the white flag lap the yellow flag is displayed, all cars, regardless of their location on the track, will slow down and maintain position with respect to other cars on the race track and will revert back to the last completed lap, and on the restart, there will be a green, white and checkered finish. After cars have received the yellow flag at the start/finish line, there will be no passing as long as cars maintain a reasonable speed considering the conditions, which exist on the track.

**3.5.5 Checkered flag:** When a checkered flag is displayed, it means the race is completed.

**3.5.5.1** The driver receiving the checkered flag first must take their car immediately to the Tech area.

**3.5.6 Black flag:** The black flag means go to the pits and report to a Track Official immediately.

**3.5.6.1** Black flag—furred: You are being warned.

**3.5.6.2** A black flag does not mean automatic disqualification.

**3.5.7 Blue and Orange flag:** This signifies that faster traffic is overtaking the cars being signaled. Cars being given this flag must prepare to yield to overtaking traffic by holding the line you are driving.

**3.5.8 Purple flag:** Stop on the front straightaway, before turn one, for line-up.

**3.5.9 Green and White flags Crossed:** Race is halfway completed.

**3.5.9.1 Green and White flags Standing-Parallel:** Two laps remain.

**3.5.9.2 Green and Yellow flag Standing-Parallel:** Line up in two columns.

**3.5.10 Red and Black flags Waving Together:** Practice session over.

### 3.6 SIGNAL LIGHTS

**3.6.1** Green                      Go

**3.6.2** Yellow                    Caution

**3.6.3** Red                        Stop

**3.6.4** Yellow Flashing      Slow the Pace

**3.6.5** Lights Out                Prepare for Green

### 3.7 FINES AND SUSPENSIONS

There will be no warnings issued. Follow the rules. This is a family-oriented sport and we are responsible to, and for, each other, the drivers and the spectators in order to keep these facilities open for everyone.

**3.7.1** Pit cleanup fine                      \$100.00

**3.7.2** Contaminants spilled in pits                      \$200.00

**3.7.3** Fights involving crewmembers                      \$100.00

**3.7.4** Fights involving drivers                      \$250.00 + 1 raceday

**3.7.5** Speeding in pits                      \$100.00

**3.7.6** Unsafe work practices                      \$50.00

**3.7.7** Profanity                      \$50.00

**3.7.8** Alcoholic beverages seen or consumed in pits                      \$50.00

- 3.7.9** Unattended authorized children in pits \$50.00  
**3.7.10** Unsportsmanlike Conduct \$100.00  
**3.7.11** Repeat violations will incur doubled fines, unless other specific remedies have been stated in other portions of these rules. Three violations will result in suspension for the remainder of the year. All decisions are final. All fines must be paid in full before next race event.

### **3.8 RACE PROCEDURES**

**3.8.1 Race Procedures Defined**—Race Procedures are the manner in which an event is conducted. It includes but is not limited to, determinations regarding the eligibility of car for competition, qualifying procedures, the line up of the cars, the start of the race, the control of cars throughout the race by flags, lights, or other direct communication between Track Officials and Competitors, the election to stop or delay a race, control of pit activity, flagging, the positioning of cars at any time, the assessment of lap and time penalties, and the completion of the race. It does not include the assessment of penalties, disqualification, suspension, or fine. The rules in this section provide the framework for Track Officials to implement race procedures. In addition to interpreting and applying these rules, Track Officials are authorized to make such other determination or take such other action as they determine to be necessary to promote consistent, fair competition for all competitors.

**3.8.2 Finality of Race Procedure and Decisions**—All decisions by Track Officials at the track involving race procedures are **final and non-appealable**, subject only to review by the Track Manager/Promoter and/or the North Star Speedway Board of Directors. If the decision involves the interpretation or application of North Star Speedway Rules, and if one (1) or more such Officials determine that extraordinary circumstances exist that require such review. In making such a determination, the interest of finality in competition results will be principal consideration. If the North Star Speedway Track Manager/Promoter determines that the race procedure decision should be reviewed, and that the decision was in error, the Track Manager/Promoter may take whatever action deemed appropriate to initiate a remedy to further the interest of fairness and finality in competition results. Such action includes but is not limited to, revising the official race results, imposing penalties, disqualifications, suspensions or fines, awarding or subtracting points. The Track Manager/Promoter may alternatively elect not to take remedial action. All such decisions are final and non-appealable.

**3.8.3 Official Starter**—North Star Speedway Track Management will designate the official starter.

**3.8.4 RESERVED RIGHT**—North Star Speedway reserves the right to change, delete, or amend certain rules and procedures in order to facilitate sanctioned National Events held at North Star Speedway.

#### **3.8.5 Gridding of cars.**

**3.8.5.1** All cars that are in the official starting line-up must be on the starting grid ready to participate five (5) minutes before the pace laps start unless otherwise direct by a Track Official. Any car in the official starting line up and NOT on the starting grid before the start of the pace laps, and permitted to enter the race, will lose starting position and be placed at the rear of the field.

**3.8.5.2** Drivers failing to hold their positions during pace laps, jumping the green flag, and/or passing the pole sitter before he/she passes the start/finish line will be repositioned to the rear of the field.

**3.8.5.3** Drivers must have a current North Star Speedway license or Day Permit in order to compete in an event and/or garner points and/or prize awards.

**3.8.5.4** One Car, One Driver, One Day.

#### **3.8.6 Race Halt**

**3.8.6.1** Track Officials and Track Management will determine whether the racetrack is suitable for competition.

**3.8.6.2** A race may be stopped at the discretion of the Track Officials and Track Management at any time they determine, in the exercise of their independent judgment, that the track is not suitable for competition.

##### **3.8.6.3 Race Halt—Before One (1) Lap Completion**

**3.8.6.3.1** When a race is stopped before the completion of one (1) lap, there will be a complete restart in the original starting position, EXCEPT those cars involved in an accident, if any, or repositioning as directed by Track Officials, must start to the rear of the field. Any cars causing a race to be stopped, such as a spin out, shall be considered as involved in an accident.

**3.8.6.3.2** When the starter gives the "one (1) lap to go" signal, unless otherwise notified, cars will line up in columns of two (2) for all restarts.

##### **3.8.6.4 Race Halt/Caution/Restart After One (1) Lap Completion**

**3.8.6.4.1** When a race is stopped after the completion of at least one (1) lap, cars will line up in the order in which they were running at the completion of the last completed lap. Those cars involved in an accident, if any, shall start to the rear of those not involved, regardless of the number of laps they have covered. If a car is permitted to enter the race after the starting flag is displayed, Track Officials must coordinate it.

**3.8.6.4.2** A car will only be permitted to re-enter the racetrack after the race has started with the coordination of the appropriate officials, providing it took the original green flag to start the race. At NO time will a car be allowed to join a race if it was not on the track for the original green flag start.

**3.8.6.4.3** When the starter gives the "one (1) lap to go green" signal, unless otherwise notified, cars will line up single file, nose to tail.

**3.8.6.4.4** Any cars involved in a caution period, including but not limited to, spinouts, crashes, stall-outs, and any car causing a spinout or cars that can not immediately drive to the start/finish line will be considered part of the caution and must go to the back of the field for the restart. Any cars that can not immediately drive to the Start/Finish line will be considered a part of the accident and must go to the back of the field. All other cars will retain their position as determined by the track officials.

**3.8.6.4.5** No passing below bottom white line or crossing infield to advance your position will be allowed. Driver will be sent to the rear of the field—(Exception: if forced off track or spinning to avoid an accident position will be retained).

### **3.8.6.5 Race Halt/Adverse Circumstances**

**3.8.6.5.1** When an event is halted due to rain, curfew, or adverse circumstances, the event may be completed the next scheduled race day or on a designated rain day make up, as determined by North Star Speedway Management, depending on the stage of the program that adverse circumstances occur.

**3.8.6.6 Race Start/Race Finish**—The start/finish line at North Star Speedway is on the front stretch at the ASAP PRINTING line. However, the Official Starter (flag person), at their discretion, may choose to throw the Green Flag when the field of cars is in Turn 4. In this situation, the leader CANNOT be passed. Passing the leader will result in a restart, with the offending car or cars going to the rear of the field.

### **3.8.7 Official Completion**

**3.8.7.1** All races will be run until the leader has completed the advertised distance, as determined by Track Officials and Track Management. The length of the day's events will be determined by Track Officials and Track Management, and announced during the driver's meetings.

**3.8.7.2** When unforeseen circumstances prevent the completion of the advertised distance, the race will be considered officially completed after the halfway distance has been reached or surpassed by the leader, provided circumstances make it impractical to continue the race within a reasonable time after it has been stopped.

**3.8.7.2.1** If a race is stopped at the halfway point, and it is the feature or main event of the day, and the majority of the classes that compete at North Star Speedway have completed their feature or main event for the day, the race day will be officially over, at which time points will be calculated and posted.

**3.8.7.2.2** If a race is stopped before the halfway point, and the feature or main events for the majority of the classes competing at North Star Speedway, the program will be continued as described above in "Race Halt/Adverse Circumstances", entry fees held over and rain checks issued to the spectators.

### **3.8.8 Pit Procedures—During Race**

**3.8.8.1** During pace laps under a caution flag, drivers must maintain their position in relation to other cars in the field or as otherwise directed by Track Officials, and will not be permitted to pass other competitors.

**3.8.8.2** Cars leaving the track during a caution flag will be placed at the rear of the field when, and if, they re-enter the race.

### **3.8.9 Flagging**

**3.8.9.1** Track Officials will use flags for the purpose of providing drivers with information. A driver is deemed to have received notice of a flag when the flag is raised above the top railing of the flag stand when his/her car reaches the start/finish line regardless of whether or not the driver has seen the flag.

**3.8.9.2** If a driver is informed of a decision or event by Track Officials in a manner other than by use of flags then the use of a flag in that situation is not necessary.

**3.8.9.3** Decisions of the flag person are final and cannot be protested.

## **3.9 Official Scoring**

**3.9.1** The Track Official designated by the Track Manager/Promoter to be the Official Scorer for an event is responsible for timing and scoring the event. The decision of the Official Scorer, with respect to timing and scoring are final unless the Official Scorer elects to request a re-check by Track Officials and/or Track Management.

**3.9.1.2** At the discretion of the Track Officials, or at the request of a driver, the Official Scorer may review the result after the completion of the event and will make any correction to the results as deemed appropriate including, but not limited to, correction missed or extra laps.

**3.9.1.3** A driver must request a scoring re-check, in person, within 30 minutes after the declaration of finishing position has been made by the Official Scorer. The finishing positions of an event, including any individual race, time

trial, or qualifying race, shall not be considered official if a re-check is requested as provided herein, in which case the results of the event shall be considered official upon the announcement of the recheck decision by the Official Scorer, Track Officials and/or Track Manager.

**3.9.1.4** Decisions on a scoring re-check are final, non-appealable, and non-litigable.

**3.10 Points**

**3.10.1** North Star Speedway awards points and money to classes that have at least four competing cars from that class, however, reserves the right to reduce race length..

**3.10.1.1** All cars competing for points at North Star Speedway must provide space on their racecars for divisional sponsors, Saturday Night Thunder sponsors, series, or program sponsors. These decals must be in place to be eligible for any year end point fund awards, cash prizes and/or purse money on individual race events.

**3.10.1.2** The exact decal placement will be distributed with the decals.

**3.10.2** Points calculations are as follows:

Qualifying—1 point per position, everyone qualifying receives at least 1 point

Heat Races—2 points per position

Feature Race—3 points per position

Compete in all scheduled race events that are points days and receive 50 bonus points at the end of the year.

Position	Qualifying	1st Heat	2nd Heat	Feature
1st	15	30	30	100
2nd	14	28	28	97
3rd	13	26	26	94
4th	12	24	24	91
5th	11	22	22	88
6th	10	20	20	85
7th	9	18	18	82
8th	8	16	16	79
9th	7	14	14	76
10th	6	12	12	73
11th	5	10	10	70
12th	4	8	8	67
13th	3	6	6	64
14th	2	4	4	61
15th	1	2	2	58
16th	1	0	0	55
17th	1	0	0	52
18th	1	0	0	49
19th	1	0	0	46
20th	1	0	0	43

**3.10.2.1** Starting positions may be determined by points, pulling of pills, rolling of dice or other means, at the discretion of the Race Director and/or the track management.

**3.10.3 Grace Days—There will be NO “grace days” allowed.** A driver will be awarded points only when the driver is present and racing on any given race day. If a driver is not present for a race day they will not receive points. No class, either non-sanctioned or sanctioned, may drop any days for the end of year points.

**3.11 Daily Prize Money**

**3.11.1** Daily prize money is determined by the number of cars, drivers, team members and others signing in on that class's roster for the day and/or any monies collected as sponsorship for that designated class.

**3.11.1.4** Prize money, less percentage, will be paid to the top five (5) point winners for the day.

1 <sup>st</sup> Place	35%	
2 <sup>nd</sup> Place	25%	
3 <sup>rd</sup> Place	18%	
4 <sup>th</sup> Place	13%	
5 <sup>th</sup> Place	9%	if not present funds go to track.

### **3.12 Season Prize Fund Money (Drivers Point Fund)**

**3.12.1** North Star Speedway will no longer pay out prize money at the end of the season

### **3.13 Track Officials**

- 3.13.1** To secure and maintain a position as a Track Official at North Star Speedway, the Official at a minimum must:
- A. Be at least eighteen (18) years of age.
  - B. Possess, at the discretion of North Star Speedway Management, the necessary qualifications, and abilities to carry out the duties of a North Star Speedway Official.
  - C. Be capable using good judgment to promote safe, fair, and consistent race conditions at North Star Speedway.

### **3.14 North Star Speedway License**

**3.14.1** North Star Speedway requires an application and a fee to be completed on a yearly basis. Competitors, sanctioned or non-sanctioned bodies must be licensed to qualify for points and prize fund money.

**3.14.1.2 Day Permit**—This is a daily fee, which will be paid by all racers who are not licensed by North Star Speedway.

**3.14.1.2.1** Day Permit holders may retain daily prize money.

**3.14.1.2.2** Day Permit holders do not qualify for season points.

### **3.15 Car Registration:**

**3.15.1** All recognized car divisions at North Star Speedway must be registered yearly, regardless of “Independent” or “Sanctioned” status. In non-sanctioned divisions, car registration secures your car number, in your division of participation and provides first option for that number in the future.

**3.16 Fees**—North Star Speedway Management determines Fees. See Membership/Licensing Application and Registration form for current fees.

**3.17 Forms**—Drivers competing at North Star Speedway are required to have the following forms on file with the business office of North Star Speedway.

**3.17.1 Membership & License Application**

**3.17.2 Car Registration Form**

**3.17.3 Driver Emergency Information Form**

**3.17.4 Driver Profile & Sponsor Information Sheet**

**3.17.5 Pit Slot Application (if applicable)**

**3.17.6 W-9**

**3.17.7 SCAKMA membership mandatory**

**3.17.8 Parental Consent, Release and Waiver of Liability, Assumption of Risk, and Indemnity Agreement** (applicable if the competitor is under eighteen (18) years of age)

**3.17.9 Minor's Assumption of Risk Acknowledgement** (applicable if the competitor is under eighteen (18) years of age)

**3.18 RADIOS**—Two way radios are mandatory in late model and optional in the baby grands only, or in any car during practice. Legends drivers are required to use raceceivers only. Any other class may allow raceceivers only if every driver has one. Raceivers are mandatory in 2011 for classes that have 10 or more cars

**3.19 Transponders**—Are mandatory.

## SECTION 4—LATE MODEL RULES

### 4.1 BODIES:

- 4.1.1 Any stock appearing mid or full-size coupe or sedan.
- 4.1.2 Material: Fiberglass, aluminum doors OK
  - 4.1.2.1 FIVE STAR type bodies.
- 4.1.3 Wedge-style bodies allowed subject to race directors pre-approval.
- 4.1.4 WINDSHIELD Must be full width and height, front and rear:
  - 4.1.4.1 Front: 1/8" LEXAN.
  - 4.1.4.2 Rear: 1/8" LEXAN.
- 4.1.5 SPOILERS:
  - 4.1.5.1 Maximum 6-1/2" height.
  - 4.1.5.2 Maximum 60" width.
  - 4.1.5.3 Maximum Angle: 70 degrees
  - 4.1.5.4 Material: Aluminum, LEXAN, Fiberglass

### 4.2 CHASSIS:

- 4.2.1 Stock front clip or fabricated tubular frames are allowed.
- 4.2.2 Hand-fabricated frames must be 2" x 3" square or 1-3/4" x .090" round tubing or equivalent as determined by NSS.
- 4.2.3 Tubing requirements for roll cage and door bars will be a minimum of 1-1/2" OD x .090 wall.
- 4.2.4 Roll cages must be a minimum of six (6) points and padded within the driver's reach.
- 4.2.5 Driver's side door must have four (4) horizontal bars and the passenger door must have three (3) door bars.

### 4.3 FIREWALLS:

- 4.3.1 Firewalls must be fabricated from a MINIMUM 20 gauge magnetic sheet metal and may be altered to allow clearance for headers. If the minimum standard is not complied with, you must install an operable on-board fire suppression system.
- 4.3.2 Firewall must completely seal off driver from engine compartment and trunk area.

### 4.4 BUMPERS:

- 4.4.2 Any bumper by construction or design that may cause damage to another car is not allowed.
- 4.4.3 Single tube-type bumpers only. (Material see 4.4.5)
- 4.4.4 Height requirement, as typically furnished on 5-Star bodies
- 4.4.5 1-3/4" x .095 wall thickness maximum.
- 4.4.6 **Maximum bumper reinforcement—1"x.095 thickness.** One reinforcement per side only.

### 4.5 ENGINE: A sealed crate motor is recommended or the following:

- 4.5.1 Factory-type CAST IRON BLOCKS
  - 4.5.1.1 360 cubic inches maximum for GM and Ford.
  - 4.5.1.2 372 cubic inches maximum for Dodge and Chrysler.
- 4.5.2 Pop up okay.
- 4.5.3 Any roller valve train.
- 4.5.4 Aluminum intakes are allowed.
- 4.5.5 All types headers allowed.
- 4.5.6 External oil pumps are allowed.
- 4.5.7 Any battery powered ignition.
- 4.5.8 NO MAGNETOS ALLOWED.
- 4.5.9 Aluminum heads allowed, see Rule 4.6.2 for weight penalty.
- 4.5.10 Engine & transmission location must remain within 2" of centerline between the frame rails.
- 4.5.11 Maximum of 4" setback from #1 spark plug to upper ball joint.
- 4.5.12 CARBURETOR: 750 CFM MAXIMUM.

### 4.6 WEIGHT MINIMUMS & SCALING PERCENTAGES & DIMENSIONS:

- 4.6.1 2800 lbs. OEM Front Clip, 2850lbs. Fabricated Stock Front Clip
- 4.6.2 Off set Chassis minimum wt. 2900 lbs.
- 4.6.3 Maximum 66" OEM front clip, 65" front clip car fabricated, tread width to be measured from center to center or left and right front tires.
- 4.6.4 Wheelbase—104" Minimum. 108" maximum
- 4.6.5 **SCALING PRECENTAGES:**
  - 4.6.5.1 56% MAXIMUM left side weight—OFFSET CHASSIS
  - 4.6.5.2 58% MAXIMUM left side weight—NON-OFFSET CHASSIS
  - 4.6.5.3 50% MAXIMUM rear weight—ALL CHASSIS
- 4.6.6 Aluminum heads allowed.
  
- 4.7 **TRANSMISSION:**
  - 4.7.1 Must operate in forward and reverse.
  - 4.7.2 An approved scatter shield is required for a manual transmission.
  - 4.7.3 Automatic transmissions must not leak.
  
- 4.8 **REARENDS:**
  - 4.8.1 Quick-change rear-ends are allowed.
  - 4.8.2 Differentials may be locked, welded, or spooled.
  - 4.8.3 No electronic traction controls allowed.
  
- 4.9 **SUSPENSION COMPONENTS:**
  - 4.9.1 **FRONT: Allowed**
    - 4.9.1.1 Tubular A-arms
    - 4.9.1.2 Coil-over shocks
    - 4.9.1.3 Weight-jacking screws
    - 4.9.1.4 Spring rods
    - 4.9.1.5 Trailing rods
    - 4.9.1.6 After-market rack and pinions steering
    - 4.8.1.7 Right front spindle **MUST** be heavy duty.
    - 4.9.1.8 Power steering is highly recommended.
  - 4.9.2 **REAR: Allowed**
    - 4.9.2.1 leaf springs
    - 4.9.2.2 coil springs
    - 4.9.2.3 coil-over shocks.
    - 4.8.2.4 Steel weight jacks are permitted.
    - 4.9.2.5 Panhard bars and or "J" Bars
    - 4.9.2.6 Three-point suspensions with a dampener (hydraulic or hydraulic coil-over) are allowed.
    - 4.9.2.7 Four link suspensions.
  - 4.9.3 After-market anti-sway bars are allowed.
  - 4.9.4 No inside car adjustments for suspension
  
- 4.10 **WHEELS:**
  - 4.10.1 Any approved racing rim is allowed.
  - 4.10.2 Maximum 10" wide.
  - 4.10.3 May be 'Wide 5 type' on aluminum racing hubs.
  - 4.10.4 No bead locks.
  - 4.10.5 Tires/wheels are not to extend outward beyond the body's wheel well.
  - 4.10.6 No Aluminum Wheels
  
- 4.11 **BRAKES:**
  - 4.11.1 Must have 4-wheel brakes.
  - 4.11.2 Front rear bias adjustment okay.
  - 4.11.3 No left-right bias adjustments.
  - 4.11.4 No blocked or pressure regulating devices on brakes.

**4.12 TIRES:**

**4.12.1** 10" Maximum Goodyear Spec tire or other track tire at track discretion.

**4.12.2** Must be purchased from North Star Speedway.

**4.12.3** Tampering or altering tire compound is not allowed.

**4.12.4** Initial purchase of six tires at beginning of race season and one tire per competing race day (21 tires max.) To buy in after season has started the initial buy in will still be six and one tire per remaining competing race day. Tires to be managed by race team and overseen by track officials. If tires are damaged by rocks, crash on track, etc. track officials may allow purchase of replacement tires.

**4.13 FUEL SYSTEM & FUEL:**

**4.13.1** Fuel cell is REQUIRED. (Capacity—Maximum 22 Gallons)

**4.13.2** Electric fuel pumps are allowed but not recommended and may be used as long as it is shut off with an oil pressure switch, i.e., if the engine has no oil pressure the fuel pump will not run.

**4.13.3** Fuel tank guards must extend 1/2" below fuel cell, 1-1/2" MINIMUM tubing.

**4.13.4** Fuel will be pump gas, AV gas, octane boosters, or racing fuel purchased from track if available.

**4.14 SEAT & SEAT BELTS:**

**4.14.1** Aluminum racing-type seat for driver only.

**4.14.2** Seat belts will be five-point safety harness type.

**4.14.3** REQUIRED See 3.2.4 for additional information on harnesses.

**4.15 ELECTRICAL:**

**4.15.1** Must be wired with an ON/OFF switch and will be clearly marked.

**4.15.2** Shut-off switch must be accessible from both sides of car.

**4.15.3** Battery must be secured with a metal top restraint.

**4.15.4** Battery will not be located within driver's compartment.

**4.16 ADDITIONAL RULES**

**4.16.1** All Cars MUST comply with Section 3 applicable rules.

**4.16.2** Minimum ground clearance of 4" for frame and body and minimum 3" transmission, engine and suspension.

**4.16.3** Overflow canister from radiator must be mounted ahead of firewall, it's RECOMMENDED to vent the overflow to the right side of the windshield and within driver's view.

**4.16.4** Shocks \$250.00 Maximum retail cost each

**4.16.5** Two-way Radio communications with a spotter for each racecar is mandatory.

**IF A RULE IS NOT SPECIFICALLY PROVIDED FOR IN THESE RULES OR THE GENERAL RULES IT IS NOT ALLOWED. ALL CARS IN THIS CLASS MUST ALSO CONFORM TO THE APPLICABLE GENERAL RULES AND SAFETY RULES. NORTH STAR SPEEDWAY RESERVES THE RIGHT TO ADD, DELETE, SUPERSEDE OR MODIFY ANY RULES, EXHIBITS OR DRAWING THAT IT DEEMS NECESSARY FOR THE BETTERMENT OF RACING AND OR SAFETY.**

## SECTION 5—SPORTSMAN SUPER TRUCK RULES

### 5.1 BODIES:

- 5.1.1 Any 1955 or newer American made mid or full size sedan or any 1960 or newer stock appearing pick-up truck to ½ ton.
- 5.1.2 Stock steel bodies—all glass and trim will be removed.
  - 5.1.2.1 All hoods and deck lids must be secured with hood pins or ¼ turn fasteners.
  - 5.1.2.2 Doors must be welded shut.
- 5.1.3 Stock appearing after market bodies are allowed.
  - 5.1.3.1 Material; Fiberglass, aluminum, steel, plastic.
  - 5.1.3.2 All hoods and deck lids will be secured with hood pins or ¼ turn fasteners.
- 5.1.4 WINDSHIELD:
  - 5.1.4.1 Front: 1/8" LEXAN.
  - 5.1.4.2 Must go full width and height (totally encompass)
  - 5.1.4.3 IF NOT LEXAN: 1/2" x 1/2" wire mesh screening reinforced with three 3/16" steel rods equally spaced across full width, placed in front of the driver.
- 5.1.5 SPOILERS:
  - 5.1.5.1 Cannot obstruct driver rear view vision.
  - 5.1.5.2 Maximum 8" height.
  - 5.1.5.3 Maximum 60" width.
  - 5.1.5.4 Maximum Angle: 70 degrees
  - 5.1.5.5 Material: Aluminum, LEXAN, and Fiberglass

### 5.2 CHASSIS:

- 5.2.1 Stock frame is mandatory. See RULE 5.5.9
- 5.2.2 Stock front clip may be altered for engine set back and fuel pump clearance.
- 5.2.3 Only the hand-fabricated frame of Dean Thompson (Chassis #03-5.2.3) will be allowed to run in this class, regardless of owner, until it is destroyed.
- 5.2.4 Tubing requirements for roll cage and door bars will be a minimum of 1-1/2" OD x .095 wall.
- 5.2.5 Roll cages must be a minimum of six (6) points and padded within the driver's reach.
- 5.2.6 Driver's side door must have four (4) horizontal bars and the passenger door must have two (3) horizontal bars.
- 5.2.7 No external rub bars and or nerf bars allowed.
- 5.2.8 Uni-body cars MUST have sub-frames joined together for strength.
- 5.2.9 Frame rails behind rear spring pockets may be cut and fabricated.
  - 5.2.9.1 No other improvements allowed except to repair rusted or damaged areas.
  - 5.2.9.2 Material for fabrication not to exceed 2 x 3 x .120
- 5.2.10 Frames may be cross braced or X-ed through center.
- 5.2.11 Frames may be plated on inside of frame rails.
- 5.2.12 Weight boxes are allowed.

### 5.3 FIREWALLS:

- 5.3.1 Firewalls must be fabricated from a MINIMUM 20 gauge magnetic sheet metal and may be altered to allow clearance for headers. If the minimum standard is not complied with, you must install an operable on-board fire suppression system.
- 5.3.2 Firewall must completely seal off driver's compartments from engine compartment and fuel cell area.
- 5.3.3 Sealed off with heatproof sealant and/or aluminum tape.

### 5.4 BUMPERS:

- 5.4.1 Stock bumpers may **not** be reinforced from the inside.
- 5.4.2 Any bumper by construction or design that may cause damage to another car is not allowed.
- 5.4.3 Tube-type bumpers are allowed. See Rule 5.4.4
- 5.4.4 1-3/4" x .095 wall thickness maximum.

### 5.5 ENGINE:

#### ALLOWED

- 5.5.1 Factory-type CAST IRON BLOCKS and HEADS

5.5.1.1 360 cubic inches maximum for GM and Ford.

5.5.1.2 372 cubic inches maximum for Dodge and Chrysler.

5.5.2 Ball type rocker arms with roller tips.

5.5.3 Roller rocker arms.

5.5.4 Headers

5.5.5 Aluminum Intakes.

5.5.6 Wet Sump oiling systems only.

5.5.7 Any battery powered ignition

5.5.8 Engine & transmission location must remain centered between the frame rails.

5.5.9 Maximum of 1" setback from #1 spark plug to upper ball joint

5.5.10 CARBURETOR: 750 CFM MAXIMUM.

**NOT ALLOWED**

5.5.11 MAGNETOS

5.5.12 Blowers, turbo chargers, or nitrous oxide systems.

5.5.13 Roller camshafts or roller lifters.

5.5.14 180-degree headers.

5.5.15 Dry Sump Oil Systems

5.5.16 Aluminum Heads

**5.6 WEIGHT MINIMUMS & SCALING PERCENTAGES & DIMENSIONS:**

5.6.1 2900 lbs. Remaining fuel & driver after race

5.6.1.1 Exception—The hand-fabricated frame of Dean Thompson will be required to weigh 3000 lbs. with remaining fuel & driver after race. See 5.2.3.

5.6.2 Tread width MAXIMUM of 67" center to center, front & rear.

5.6.3 Wheelbase 102" Minimum. Maximum Wheelbase 115"

5.6.4 SCALING PERCENTAGES:

5.6.4.1 57% MAXIMUM left side weight

5.6.4.2 50% MAXIMUM rear weight

**5.7 TRANSMISSION:**

5.7.1 Must operate in forward and reverse.

5.7.2 An approved scatter shield is required for a manual transmission.

5.7.3 Automatic transmissions must not leak.

5.7.4 No RAM couplers, in-out boxes or buttons.

**5.8 REARENDS:**

5.8.1 No Quick-change rear-ends allowed.

5.8.2 Differentials may be locked, welded, or spooled.

5.8.3 No electronic traction controls allowed.

5.8.4 "C" Clip eliminators are required for GM "C" clip type rear ends.

5.8.5 Full floating allowed.

5.8.6 9" Ford rear-end in non-Ford vehicles approved.

**5.9 SUSPENSION COMPONENTS:**

5.9.1 The following on FRONT and/or REAR are **NOT** allowed:

5.9.1.1 Coil over shocks and springs

5.9.1.2 Air Shocks

5.9.1.3 After-market anti-sway bars

5.9.1.4 No after market steering boxes or rack and pinions allowed.

5.9.1.5 No inside car adjustment for suspension

5.9.2 FRONT: **Allowed**

5.9.2.1 Tubular UPPER A-arms

5.9.2.2 Weight jacks

5.9.2.3 Reinforced front spindles are highly encouraged.

5.9.2.4 Power steering must remain OEM.

5.9.2.5 Racing springs—4" min. dia. coil springs

- 5.9.2.6 Steel Body Racing shocks.
- 5.9.2.7 Adjustable Stock & OEM Heavier Anti Sway Bars

**5.9.3 REAR: Allowed**

- 5.9.3.1 Leaf springs with sliders.
- 5.9.3.2 Racing Springs—4" min. dia. coil springs
- 5.9.3.4 Weight jacks
- 5.9.3.5 Pan hard bars or "J"-bars
- 5.9.3.6 Steel Body Racing shocks.
- 5.9.3.7 Adjustable Stock & OEM Heavier Anti Sway Bars

**5.10 WHEELS:**

- 5.10.1 Stock or Racing Steel wheels only (Stock wheels may be reinforced).
- 5.10.2 Maximum 8" wide.
- 5.10.3 Any offset.
- 5.10.4 No bead locks.
- 5.10.5 Tires/wheels are not to extend outward beyond the body's wheel well.
- 5.10.6 Spacers allowed as long as rule 5.6.2 and 5.10.5 are not violated.

**5.11 BRAKES:**

- 5.11.1 Must have 4-wheel brakes (may be upgraded to racing brakes).
- 5.11.2 Front/rear brake bias allowed.
- 5.11.3 NO left-right brake bias adjustments.
- 5.11.4 NO blocked or pressure regulating devices on brakes.

**5.12 TIRES:**

- 5.12.1 8" Maximum Goodyear spec tire or other track tire at the track's discretion.
- 5.12.2 Must be purchased from North Star Speedway.
- 5.12.3 Tampering or altering tire compound is not allowed.
- 5.12.4 Initial Supply—Six (6)
  - 5.12.4.1 One additional tire allowed to be purchased each competed race day.

**5.13 FUEL SYSTEM & FUEL:**

- 5.13.1 Fuel cell is REQUIRED and will be located in the trunk area. (Capacity—must be able to run 100 laps at North Star Speedway).
- 5.13.2 Electric fuel pumps are allowed but not recommended and may be used as long as it is shut off with an oil pressure switch, i.e., if the engine has no oil pressure the fuel pump will not run.
- 5.13.3 Fuel tank guards must extend 1/2" below fuel cell, 1-1/2" MINIMUM tubing.
- 5.13.4 Fuel will be pump gas, AV gas, octane boosters, or racing fuel purchased from track if available.

**5.14 SEAT & SEAT BELTS:**

- 5.14.1 Aluminum racing-type seat for driver only.
- 5.14.2 Seat belts will be five-point safety harness type.
- 5.14.3 REQUIRED. See 3.2.4 for additional information on harnesses.
- 5.14.4 Seat and seatbelts must be bolted to a frame assembly.
- 5.14.5 Cars with Seats and Seatbelts bolted to the floor pan will not be allowed entry to the racetrack at anytime. NO EXCEPTIONS.

**5.15 ELECTRICAL:**

- 5.15.1 Must be wired with an ON/OFF switch and will be clearly marked.
- 5.15.2 Shut-off switch must be accessible from both sides of car.
- 5.15.3 Battery must be secured with a metal top restraint.
- 5.15.4 Battery will not be located within driver's compartment.

**5.16 ADDITIONAL RULES**

- 5.16.1 All Cars MUST also comply with Section 3 applicable rules.
- 5.16.2 Minimum ground clearance of 4". See **Scaling & Tech Inspection 2.3.1**

**5.16.3** Overflow canister from radiator must be mounted ahead of firewall, it's RECOMMENDED to vent the overflow to the right side of the windshield and within driver's view.

**5.16.4** Wing/Vent window air deflectors allowed.

**IF A RULE IS NOT SPECIFICALLY PROVIDED FOR IN THESE RULES OR THE GENERAL RULES IT IS NOT ALLOWED. ALL CARS IN THIS CLASS MUST ALSO CONFORM TO THE APPLICABLE GENERAL RULES AND SAFETY RULES. NORTH STAR SPEEDWAY RESERVES THE RIGHTS TO ADD, DELETE, SUPERSEDE OR MODIFY ANY RULES, EXHIBITS OR DRAWING THAT IT DEEMS NECESSARY FOR THE BETTERMENT OF RACING AND OR SAFETY**

## SECTION 6—MINI-STOCK

### 6.1 BODIES:

6.1.1 Any production model car or mini-truck inline four cylinder.

6.1.1.1 Front or rear wheel drive.

6.1.1.2 Sports Cars—multi-valve engines (280 ZX etc) are NOT ALLOWED.

6.1.1.3 Dual overhead cam or sixteen valve engines are NOT ALLOWED.

6.1.2 No Jeeps, Convertibles or Roadsters allowed.

6.1.2.1 Mini-trucks allowed subject to compliance to mini-stock rules (standard cab ONLY).

6.1.3 Vehicles with sunroofs—Sunroofs must be covered with minimum 20 gauge magnetic sheet metal.

6.1.3.1 No aluminum sunroof covers.

6.1.4 Stock steel bodies—all glass and trim will be removed.

6.1.5 All hoods and deck lids will be secured with hood pins or ¼ turn fasteners.

6.1.6 Doors must be welded or bolted shut.

6.1.7 All body, frame, engine, transmission, and suspension components must remain in stock locations and must be functioning properly. Door inner panel may be removed to accommodate side cage bars.

6.1.8 No external rub bars and/or nerf bars allowed.

6.1.9 WINDSHIELD:

6.1.9.1 Front: 1/8" LEXAN.

6.1.9.2 Must go full width and height (totally encompass)

6.1.9.3 IF NOT LEXAN: 1/2" x 1/2" wire mesh screening reinforced with three 3/16" steel rods equally spaced across full width, placed in front of the driver.

6.1.10 REAR SPOILER—factory installed only

6.1.10.1 Cannot obstruct driver rear view vision.

6.1.10.2 Maximum 4" height.

6.1.10.3 Maximum 55" width.

6.1.10.4 Material: Aluminum

### 6.2 CHASSIS:

6.2.1 Tubing requirements for roll cage and door bars will be at a minimum of 1 ½" OD x .090 wall.

6.2.2 1" OD round or square tube may be used as sidebars, mounted inside the body as close to flush with the body as possible.

6.2.3 Roll cages must be a minimum of four (4) points and padded within the driver's reach.

6.2.4 Driver's side door must have three (3) horizontal bars and the passenger door must have two (2) horizontal bars.

### 6.3 FIREWALLS:

6.3.1 Firewalls must be fabricated from a minimum 20 gauge magnetic sheet metal.

6.3.2 Firewall must completely seal off driver from engine compartment and fuel cell area including originally manufactured holes.

6.3.3 An onboard operable fire suppression system is highly recommended.

### 6.4 BUMPERS:

6.4.1 Bumpers may be reinforced from the inside only.

6.4.2 Tube-type bumpers may be used. See Rule 6.4.3

6.4.3 Maximum 1-1/2" OD x .095 wall thickness.

6.4.4 However, reinforced factory bumpers are preferred.

6.4.5 Any bumper by construction or design that may cause damage to another car is not allowed.

### 6.5 ENGINE:

6.5.1 Engine must be of parent manufacture, i.e.; GM to GM, Ford to Ford, Toyota-to-Toyota etc.

6.5.2 Inline Stock 4-cylinder engines with a single, two-barrel carburetor or OEM EFI.

6.5.2.1 Cylinder Heads—Stock

6.5.2.1.1 Milling allowed only to true the head.

- 6.5.2.1.2 Cylinder head must remain stock for make and model.
- 6.5.2.1.3 No porting or polishing or altering of any part in any way.
- 6.5.2.1.4 Valves to remain stock size for head being used.
- 6.5.2.2 Camshafts—Stock
- 6.5.2.3 Block—Stock
  - 6.5.2.3.1 NO Decking Allowed.
  - 6.5.2.3.2 .030 Overbore preferred—maximum overbore .060 (see disclaimer)
  - 6.5.2.3.3 Internal lower end parts must remain stock and unaltered.
- 6.5.2.4 Intake Manifold—aftermarket manifold for two barrel carburetor ALLOWED
- 6.5.3 All motors will remain in the stock position.
  - 6.5.3.1 Must maintain stock centerline
  - 6.5.3.2 No setback allowed
  - 6.5.3.3 No height changes allowed.
- 6.5.4 No blowers, turbo chargers, or nitrous oxide will be permitted to run.
- 6.5.5 Headers are acceptable.
- 6.5.6 OEM Fuel injection okay.

## **6.6 WEIGHT MINIMUMS & SCALING PERCENTAGES & DIMENSIONS:**

- 6.6.1 2150 pounds (remaining fuel & driver after race)
- 6.6.2 MAXIMUM Wheelbase 101" for cars, Maximum wheelbase for Ministock trucks 109" (with approval by race director)
- 6.6.3 SCALING PERCENTAGES:
  - 6.6.3.1 57% maximum left side weight.
  - 6.6.3.2 50% maximum rear weight.

## **6.7 TRANSMISSION:**

- 6.7.1 Stock or replacement OEM.
- 6.7.2 Must operate in forward and reverse.
- 6.7.3 Scatter shields are highly recommended but not required.
- 6.7.4 Automatic transmissions must not leak.

## **6.8 DRIVE AXLES:**

- 6.8.1 Stock or replacement OEM.
- 6.8.2 Rear Wheel Drive
  - 6.8.2.1 No quick-change rearends allowed.
  - 6.8.2.2 No RACING rearends allowed.
- 6.8.3 Front Wheel Drive
  - 6.8.3.1 Right Front Drive axle may be lengthened as necessary. See 6.9.1
- 6.8.4 Drive axles may be locked, welded, or spool-type.

## **6.9 SUSPENSION COMPONENTS:**

- 6.9.1 Right front lower A-arms are allowed to be extended One (1) inch as necessary for positive camber gain.
  - 6.9.1.1 Right front lower control arms may be reinforced only.
- 6.9.2 Must be per manufacturer for that particular make, model and year.
  - 6.9.2.1 OEM Only.
  - 6.9.2.2 No aftermarket pieces.
- 6.9.3 Front wheel drive cars may reinforce rear axle beam, and must remain non-adjustable.
- 6.9.4 Rear wheel drive cars may use a non-adjustable panhard bar.
- 6.9.5 NO Weight jackers allowed.
- 6.9.6 No aftermarket swaybars.
- 6.9.7 Spring rubbers to be tie-wrapped.

## **6.10 WHEELS:**

- 6.10.1 Must be steel factory-type or steel racing-type only.
- 6.10.2 Maximum 8" wide—center line plus (+) or minus (-) 1 inch offset.
- 6.10.3 No aluminum wheels allowed.

**6.10.4** No bead locks.

**6.11 BRAKES:**

**6.11.1** Standard stock Hydraulic brake system for the year, make and model car used must be completely retained.

**6.11.2** No Racing Brakes.

**6.11.3** All four (4) individual braking units must be operable at all times.

**6.11.4** No drilling or lightening in any way of the following: rotors, calipers, drums, backing plates, shoes or pads.

**6.11.5** No aluminum drums allowed.

**6.12 TIRES:**

**6.12.1** Maximum 8" tread width DOT track spec 13x22x8 tires right side only. Legends take off or equivalent on left.

**6.12.1.1** No Recaps, No Retreads.

**6.12.2** Tire purchase not to exceed \$125.00 per tire, manufacturer suggested retail price. Left side tire purchase not to exceed \$75.00 manufacturer suggested retail price.

**6.12.2.1** Tires may be claimed for \$75.00 after feature race.

**6.12.3** Tampering or altering tire compound is not allowed.

**6.12.4** One new tire per race day per car.

**6.13 FUEL SYSTEM & FUEL:**

**6.13.1** Racing fuel cell is REQUIRED and must be relocated to the trunk area or within the frame rails. (Capacity—must be able to run 50 laps at North Star Speedway.)

**6.13.2** Fuel tank guards are required.

**6.13.3** OEM Fuel injection systems are allowed.

**6.13.4** Electric fuel pumps and OEM fuel injection must have oil pressure shut off switch.

**6.13.5** Fuel will be automotive grade (92 octane max.) pump gas only—no octane boosters allowed.

**6.14 SEAT:**

**6.14.1** Racing-type seat for driver only.

**6.14.2** Seat belts will be five-point safety harness type.

**6.14.3** REQUIRED. See 3.2.4 for additional information on harnesses.

**6.14.4** Seat and seatbelts must be bolted to a frame assembly and not the floor pan.

**6.15 ELECTRICAL:**

**6.15.1** Must be wired with an ON/OFF switch and will be clearly marked.

**6.15.2** Shut-off switch must be accessible from both sides of car.

**6.15.3** Battery must be enclosed.

**6.15.4** Battery must be secured with a metal top restraint.

**6.16 ADDITIONAL RULES**

**6.16.1** All vehicles MUST also comply with Section 3 applicable rules.

**6.16.2** Minimum ground clearance of 4" body and frame. Minimum 3" engine, transmission and suspension.

**6.16.3** Overflow canister from radiator must be mounted ahead of firewall, it's RECOMMENDED to vent the overflow to the right side of the windshield and within driver's view.

**6.16.4** Inside rearview mirror allowed

**IF A RULE IS NOT SPECIFICALLY PROVIDED FOR IN THESE RULES OR THE GENERAL RULES IT IS NOT ALLOWED. ALL CARS IN THIS CLASS MUST ALSO CONFORM TO THE APPLICABLE GENERAL RULES AND SAFETY RULES. NORTH STAR SPEEDWAY RESERVES THE RIGHT TO ADD TO, DELETE, SUPERSEDE OR MODIFY ANY RULES, EXHIBITS OR DRAWING THAT NORTH STAR SPEEDWAY DEEMS NECESSARY FOR THE BETTERMENT AND/OR SAFETY OF RACING**

## SECTION 7—THUNDERSTOCK RULES

### 7.1 BODIES:

- 7.1.1 Any American made hardtop production auto.
- 7.1.2 No OEM High Performance cars allowed.
- 7.1.3 Rear wheel drive only with a stock wheelbase. (see Rule 7.6)
- 7.1.4 All glass and trim will be removed.
- 7.1.5 All hoods and deck lids will be secured with hood pins or ¼ turn fasteners. (Stock hinges allowed in rear)
- 7.1.6 Doors must be welded, bolted or patch riveted shut.
- 7.1.7 All components i.e. body, frame, engine, and transmission must remain in stock locations and must be functioning properly.
- 7.1.8 No external rub bars and/or nerf bars allowed.
- 7.1.9 WINDSHIELD:
  - 7.1.9.1 Front: 1/8" LEXAN.
  - 7.1.9.2 Must go full width and height (totally encompass)
  - 7.1.9.3 IF NOT LEXAN: 1/2" x 1/2" wire mesh screening reinforced with three 3/16" steel rods equally spaced across full width, placed in front of the driver.
- 7.1.10 Hood and deck lid bracing may be removed.
- 7.1.11 Front fender wells may be removed.
- 7.1.12 Inner door panels may be removed to accommodate roll cage installation.

### 7.2 CHASSIS:

- 7.2.1 Roll cages must be a minimum of four (4) points and padded within the driver's reach.
- 7.2.2 The two forward bars must NOT extend forward of the radiator core support. The two rear bars extending into trunk MUST terminate inside trunk.
  - 7.2.2.1 Driver's side door must have four (4) horizontal bars, passenger three (3) horizontal bars.
  - 7.2.2.2 Cages and roll bars in unibody style cars must be welded to steel pads which must be welded to the strongest part of the floor pan.
- 7.2.3 Frame rails behind rear spring pockets may be reconstructed, due to rust or damage, with prior approval from NSS management.

### 7.3 FIREWALLS:

- 7.3.1 Firewalls must be fabricated from a minimum 20 gauge magnetic sheet metal.
- 7.3.2 Firewall must completely seal off driver from engine compartment and fuel cell area including originally manufactured holes.
- 7.3.3 An onboard operable fire suppression system is highly recommended.

### 7.4 BUMPERS:

- 7.4.1 STOCK type only—no weights may be used on the inside of bumpers. Subject to inspection.
- 7.4.2 Bumpers may be welded on but may **NOT** be reinforced—bumpers may NOT be tied to roll cage front or rear.
- 7.4.2 Any bumper, by construction or design, that may cause damage to another car, is not allowed.

### 7.5 ENGINE:

- 7.5.1 Minimum—6 cylinders.
- 7.5.2 Maximum—8 cylinders.
- 7.5.3 Engine Blocks—Absolutely Stock!!! NO HIGH PERFORMANCE PARTS ALLOWED.
  - 7.5.3.1 Must be stock—NO MODIFICATIONS ALLOWED.
    - 7.5.3.1.1 Boring allowed, maximum overbore .040 for cleanup.
    - 7.5.3.1.2 No decking / No squaring.
  - 7.5.3.2 GM products may run 350 (MAXIMUM)—CHEVY 350 STOCK OEM PISTONS ONLY
    - 7.5.3.2.1 GM must run GM parts.
  - 7.5.3.3 Ford may run 302 or 351 (maximum)
    - 7.5.3.3.1 Ford must run Motorcraft parts.
  - 7.5.3.4 Mopar may run 318, 340, 360 (360 maximum)
    - 7.5.3.4.1 Mopar must run Mopar parts.

- 7.5.4** Replacement engines may be used, if it came equipped from the factory as an option for that year, make and model.
- 7.5.5** Cylinder Heads
- 7.5.5.1** Must be stock c.c.
  - 7.5.5.2** Heads must be stock casting for year, make and model of car run.
  - 7.5.5.3** Valve jobs may be done but absolutely stock valves will be run.
  - 7.5.5.4** NO 5 angle valve jobs.
  - 7.5.5.5** No porting/polishing or gasket matching allowed.
  - 7.5.5.6** Stock rocker arms ONLY
- 7.5.6** Camshafts
- 7.5.6.1** Stock lift (measured at cam) & duration for year, make and model of car used.
    - 7.5.6.1.1** GM must use stock, non high-performance cam. Max lift .260 intake / .273 exhaust
    - 7.5.6.1.2** Ford must use stock, non high-performance cam. Max lift: 302 CI—.238 in. / .247 ex. Max. lift: 351 Windsor—.260 in. / .260 ex.
    - 7.5.6.1.3** Mopar must use non high-performance cam. Max. lift 318 CI—.248 in. / .267 ex. Max. lift 360 CI—.273 in. / .273 ex.
  - 7.5.6.2** NO solid lifters—hydraulic only. NO anti pump-up or bleed-down type lifters.
  - 7.5.6.3** NO RV grind cams.
- 7.5.7** Crank Shafts
- 7.5.7.1** Stock for year, make and model being run.
  - 7.5.7.2** Machining allowed for new bearings only (no balancing).
- 7.5.8** Ignition
- 7.5.7.1** Stock ignition.
  - 7.5.7.2** Ignition modules cannot be changed.
  - 7.5.7.3** Computer chips—must be stock passenger car chips only.
    - 7.5.7.3.1** No high performance chips.
    - 7.5.7.3.2** GM modules must have GM stamp.
    - 7.5.7.3.3** Ford modules must have Ford stamp.
    - 7.5.7.3.4** Mopar modules must have Mopar stamp.
- 7.5.9** Fuel Delivery Systems (Carburetors, Throttle Bodies and Fuel Injection)
- 7.5.9.1** If equipped from the factory with a throttle body it may be changed to a 4412 Holley 2 barrel
  - 7.5.9.2** Fuel injection if used must remain stock and be unaltered.
  - 7.5.9.3** Stock two barrel or four barrel carburetors or # 4412 Holley two barrel 500 cfm only.
  - 7.5.9.4** NO altering of carburetors including changing of jets.
  - 7.5.9.5** Chokes may be wired open.
  - 7.5.9.6** Adapter plate allowed with #4412 Holley two barrel 500 cfm.
  - 7.5.9.7** Only one stock OEM type baseplate gasket.
- 7.5.10** Air Cleaners
- 7.5.10.1** Stock air breathers or aftermarket open air cleaners required.
  - 7.5.10.2** Paper elements only.
    - 7.5.10.2.1** No gauze type air filters.
    - 7.5.10.3** No outside air ducts allowed.
- 7.5.11** Intakes
- 7.5.11.1** Stock intakes only.
  - 7.5.11.2** No porting/polishing or gasket matching allowed.
  - 7.5.11.3** Fuel injection may be changed to carburetor.
- 7.5.12** Exhaust Manifolds
- 7.5.12.1** Must be stock for year, make and model of car run.
  - 7.5.12.2** No modifications allowed.
  - 7.5.12.3** No porting/polishing or gasket matching allowed.
  - 7.5.12.4** Dual exhaust allowed.
- 7.5.13** Radiators
- 7.5.13.1** Any stock Passenger Car radiator is allowed.
  - 7.5.13.2** Must fit stock location for year, make and model of car being run.
  - 7.5.13.3** WATER ONLY.
  - 7.5.13.4** Radiator over flow can—1 gallon capacity—must remain under hood. See Rule 7.16.3.

## **7.6 WEIGHT MINIMUMS & DIMENSIONS:**

**7.6.1** MINIMUM Wheelbase 102"

**7.6.2** The cars of Cassandra Kincaid (Role Cage # 03.7.6.2-16) and James Biddle (Role Cage # 03.7.6.2-7) will be allowed to compete in this class until destroyed.

**7.6.3** NO BALLAST WEIGHTS ALLOWED including excess roll cage. NO FOAM allowed.

## **7.7 TRANSMISSION:**

**7.7.1** Must remain stock for year, make and model run.

**7.7.2** Auto Transmissions

**7.7.2.1** No high stall torque converters.

**7.7.2.2** No shift kits.

**7.7.2.3** No modifications of any type.

**7.7.2.4** Automatic transmissions must not leak and must be equipped with elevated vent tube and or catch tank.

**7.7.2.5** Floor mounted street and or stock style shifter allowed for automatic transmission.

**7.7.3** Standard Transmissions—Clutch Systems

**7.7.3.1** Disk—Stock clutch disks only.

**7.7.3.2** No solid clutch disks.

**7.7.3.3** Spring type only.

**7.7.4** Fly Wheel

**7.7.4.1** Stock fly wheels only.

**7.7.4.2** No aluminum fly wheels.

**7.7.4.3** No lightening or drilling of holes allowed.

**7.7.4.4** Re-facing is permitted,

**7.7.4.4.1** Must be within one (1) pound of factory specifications.

**7.7.5** Pressure Plate

**7.7.5.1** Stock pressure plate only.

**7.7.6** Bell Housing

**7.7.6.1** Scatter shields are highly recommended but not required.

**7.7.7** All transmissions must operate in forward and reverse.

## **7.8 DRIVE AXLES:**

**7.8.1** Stock year, make and model for car being run.

**7.8.2** OEM interchange only.

**7.8.3** Drive axles may be locked, welded, or posi-traction type.

**7.8.4** Maximum gear ratio 4.56 to 1.

## **7.9 SUSPENSION COMPONENTS:**

**7.9.1** Right front upper A-arm bolts may be lengthened to gain camber.

**7.9.2** Strut towers may be cut and welded to allow a maximum of 6 degrees of camber.

**7.9.3** Springs may be cut or bent. OEM interchange allowed subject to tech.

**7.9.4** Using OEM components, modifications may be made to adjust camber and caster as necessary.

**7.9.5** Heavy duty wheel studs allowed. Minimum size—9/16".

**7.9.6** No spring rubbers, wedges or spring spacers.

## **7.10 WHEELS:**

**7.10.1** Stock steel OEM or steel race wheels.

**7.10.2** Maximum 8" wide.

**7.10.3** Reinforcement allowed upon inspection.

## **7.11 BRAKES:**

**7.11.1** Stock year, make and model for car being run.

**7.11.1** STOCK, OEM per year and or model.

**7.11.2** Must have 4-wheel brakes.

## **7.12 TIRES:**

**7.12.1** Maximum 8" tread width DOT P or S rated ONLY. Maximum price, (MSRP) including shipping shall not exceed \$100.00 per left side tire. See exception 7.12.2.

**7.12.1.1** No Recaps, retreads or studded tires.

**7.12.2** Right side track spec tire must be 26.5x8x15 (tire model #2862) or 27x8x15 (tire model #2863) treaded Goodyear.

**7.12.3** Track Spec Tire must be purchased from North Star Speedway.

**7.12.4** Initial supply—Two (2). An additional track spec tire may be purchased if a tire is cut down—that tire MUST be relinquished to North Star upon purchase.

**7.12.4.1** One additional tire is allowed to be purchased per race day.

## **7.13 FUEL SYSTEM & FUEL:**

**7.13.1** Fuel cell is mandatory and may be relocated above the floor pan in the trunk area and will be shielded from the driver with a firewall. Capacity—must be able to run 200 laps at NSS.

**7.13.1.1** If the fuel cell is relocated to the trunk area, you must drill at least four 1" diameter holes directly underneath the fuel cell in the event of a puncture or rupture to allow the fuel to escape.

**7.13.2** Fuel cell may be mounted through the trunk floor within properly constructed steel cage between frame rails. Minimum 8" clearance. The area of trunk floor removed is limited to the size of fuel cell.

**7.13.3** Stock fuel pump only

**7.13.3.1** Electric fuel pumps and OEM fuel injection must have low oil pressure shut off switch.

**7.13.3.2** No after market performance fuel pumps.

**7.13.4** Fuel will be automotive grade (92 octane max.) pump gas only.

**7.13.5** No Octane boosters, blending or mixing allowed.

**7.13.6** Fuel Lines

**7.13.6.1** Maximum half-inch steel fuel line running under car.

## **7.14 SEAT:**

**7.14.1** Aluminum racing seat is required.

**7.14.2** Seat belts will be five-point safety harness type.

**7.14.3** REQUIRED—See 3.2.4 for additional information on harness installation.

## **7.15 ELECTRICAL:**

**7.15.1** Must be wired with an ON/OFF switch and will be clearly marked.

**7.15.2** Shut-off switch must be accessible from both sides of car.

**7.15.3** Battery

**7.15.3.1** Stock location allowed.

**7.15.3.2** Battery must be fully enclosed in a vented compartment.

**7.15.3.3** Battery must be secured with a metal top restraint.

## **7.16 ADDITIONAL RULES**

**7.16.1** All vehicles MUST also comply with Section 3 applicable rules.

**7.16.2** Minimum ground clearance of 4" for frame and body and 3" minimum for engine, transmission and suspension.

**7.16.3** Overflow canister from radiator must be mounted ahead of firewall, it's RECOMMENDED to vent the overflow to the right side of the windshield and within driver's view.

**IF A RULE IS NOT SPECIFICALLY PROVIDED FOR IN THESE RULES OR THE GENERAL RULES IT IS NOT ALLOWED. ALL CARS IN THIS CLASS MUST ALSO CONFORM TO THE APPLICABLE GENERAL RULES AND SAFETY RULES. NORTH STAR SPEEDWAY RESERVES THE RIGHT TO ADD TO, DELETE, SUPERSEDE OR MODIFY ANY RULES, EXHIBITS OR DRAWING THAT NORTH STAR SPEEDWAY DEEMS NECESSARY FOR THE BETTERMENT AND/OR SAFETY OF RACING.**

**CLASS REPRESENTATIVES**

Late Model \_\_\_\_\_  
Sportsman Super Trucks (SST's) \_\_\_\_\_  
Mini-Stock \_\_\_\_\_  
ThunderStock \_\_\_\_\_  
Legends \_\_\_\_\_  
Baby Grand \_\_\_\_\_  
Bandolero \_\_\_\_\_

**DEALERS, DISTRIBUTORS, SALES & SERVICE**

**Baby Grand Stock Car Racing of Alaska  
Larry Theobald  
900 Hermon Road  
Wasilla, AK 99654  
(907) 376-8585**

**Authorized Legends & Bandolero Dealer  
North Star Racing, Inc.  
Lud Larson  
PO Box 871130  
Wasilla, AK 99677  
(907) 250-7839 or (907) 745-1835**

**IT WILL BE EVERY DRIVERS RESPONSIBILITY TO READ AND UNDERSTAND ALL THE RULES SET FORTH HEREIN AND HE/SHE WILL BE HELD RESPONSIBLE FOR ANY NONCOMPLIANCE.**

**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 agree to comply with these rules. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION 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 impose any further restrictions that in his/her opinion do not alter the minimum acceptable requirements. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT THEREFROM. Any interpretation of these rules is left to the discretion of the officials.**

**THEIR DECISION IS FINAL.**