



Natural Bridge Speedway

***Official 2021 Rules
American Stock Car
(This is combining All
American and Pure
Stock Classes)***

www.nbspeedway.com

Safety Rules:

1. **Safety is the primary responsibility of the RACER!!**
2. Drivers have a SFI-Approved full fire suit (top and bottom), gloves, and shoes. Full Fire Suit (top and bottom or one-piece) is required (SFI rating optional, but highly recommended).
3. Snell rated SA2010 or SA2015 full-face helmet required.
4. Natural Bridge Speedway recommends the use of a head and neck restraint system, but is not required.
5. All cars must have a fully charged fire 2 lb. extinguisher mounted within reach of the driver. Recommend a 5 lb. halon system.
6. All cars must have a kill switch within easy reach of the driver, and clearly marked “Off” and “On”.
7. All cars must have a quality fuel cell with roll over valve(check valve) in fuel cell vent.
8. Minimum three(3) inch wide, two(2) inch if using head and neck restraint, SFI-Approved five point safety belts, mounted securely to the roll cage. (**Recommend** belts be no more than three years old.)
9. Any pre-race technical/safety inspection and car or equipment is deemed unsafe by officials will result in not being allowed to compete. Official’s decisions are final!
10. All track specific general safety rules or requirements will apply at all times to all participants(i.e. gloves, door plates, head and neck restraints, etc.) at that track.
11. RaceCeiver one way radios are REQUIRED at every event. Failure to have a RaceCeiver could result in disqualification. Malfunction of such device (i.e. dead battery, ear phone failure, etc.) will not constitute any penalty.
12. NO two-way radios, cell phones, or other communication devices will be allowed. RaceCeiver is the ONLY communication device permitted. Drivers caught with any other communication device will be disqualified for that event (heat or feature). No lighted signal devices(light sticks, flashlights, cell phones, etc.)
13. No mirrors are allowed at any location on the car.
14. ALL weight/lead must be painted and include the car number. Weight must be securely fastened to the car with a minimum two (2) ½” diameter bolts. No weight may be attached to the back bumper. Losing weight in any race will result in disqualification for that event.

Membership and Entry Fees:

1. Anyone entering Natural Bridge Speedway pits must purchase an Annual Membership at a cost of \$30 per year. If not purchased for the year, you will pay \$5.00 addition to regular Pitt entry fee. This membership money goes towards Banquet at end of year to cover cost of Trophies, points money and to give everyone a nice awards Banquet. This money makes the driver eligible for any Natural Bridge Banquet winnings. Speedway will put all membership moneys into a fund for a points Banquet at end of year.

Weekly Race Procedures:

1. Anyone helping roll track when needed for at least 10 laps will get 5 additional points.
2. In the event of rain at the speedway during a scheduled Weekly Racing Series event, and the feature event has not completed more than half (1/2) the advertised laps, that event must be either cancelled completely or made up the next week as a Double Feature. The field will be set as qualified from the previous attempt to race.

Technical Rules and Regulations:

It is the obligation of each participant to ensure their conduct and equipment are in compliance with all applicable rules and procedures, as they may be amended. Any amendment(s) will supersede any previous rules regarding that aspect of competition. An amendment is effective from the date it is added to the official rules regardless of when a competitor receives notice.

Body and Body Modifications

- Body and motor must be same manufacturer's line.
- Competing models allowed – 1964 or newer American made, intermediate sized cars. No station wagons or convertibles.

Group 1:

Intermediate size cars with a factory wheel base of no less than 105" with a ½" tolerance, except for the selected models listed in group 2.

Group 2:

Buick – 1970-1992 Century, Skylark, LeSabre, & Regal
Chevrolet – 1970-1992 Camaro, 1970-1987 Monte Carlo
Ford – 1970-1992 Mustang and Thunderbird
Oldsmobile – Cutlas
Plymouth – 1970-1992 Rear wheel drive only
Mercury – 1970-1993 Cougar
Pontiac – 1970-1992 Firebird & Grand Prix

- No front wheel drive bodies allowed
- Aftermarket body panels must maintain stock body lines (No flat sides)
- No lowering of body frame.
- Body may not be offset in any way
- All cars must run a dash. Homemade is okay.
- After market steel body panels that meet OEM specifications are permitted.
- All cars have stock bumpers and grill for make and model.
- After market stock appearing nose pieces okay.
- Fenders may be trimmed for tire clearance only. If trimmed, must be done neatly and rolled under with no sharp edges.
- Doors must be welded or bolted closed.
- Inner hood panels may be removed. The hood must have hood pins.

- Stock windshield or lexan must be mounted in the stock location. Plexiglas is permitted in rear glass. Wire mesh screen may be used in the front only and supported by no less than three 3/8 inch steel rods, must be in front of driver. No alterations may be made to windshield opening.
- Must retain original firewall. Interior may be boxed as desired for safety and appearance. No open holes in driver's compartment. Must be steel. Drivers area sheet metal must be a minimum of 20 gauge.
- Rear spoiler limited to 5 inches in height. Side supports permitted – limited to 5 inches in height.
- Car numbers must be displayed on roof and doors

Weight

- All cars must weigh a minimum of 3,300 pounds (with the driver) after the race.

Chassis, Suspension, and Frame

- Frames must be completely stock.
- Wheel base and tread must remain standard.
- Stock wheelbase for make and model with a 1/2" tolerance (105" minimum)
- Engine must remain in stock location.
- Maximum tread width for Group 1 cars is 66.5 inches and Group 2 is 64.5 inches.
- Roll cage must be per LMSC requirement.
- No link up of frame sections allowed.
- No offset frames.
- Upper and lower control arm bushings in front may be either rubber or solid. Rear control arm bushings must be rubber.
- All cars must have firewalls made of steel, welded, and no holes. Engine firewall must remain stock. Rear firewall must be stock or a minimum of 20-gauge steel.
- Floor pan must be stock. The area can have no holes and it must be sealed.
- Trunk pan optional.
- Only stock standard production type sway bars may be used. Must use stock mounting positions and mounts. No heim joints.

- Sway bar lengths, bushings, and mounts must be factory.
- No all thread rods.
- Rear frame section from rear of rear shock/spring crossmember may be replaced with 2"x3" box tubing.
- All front springs must remain in stock location in unaltered mounts. Solid spring spacers in front may be on top or bottom. Rear spring spacers only in bottom. Top of rear spring must be in stock mount. No other adjustments of any kind are allowed.
- No screw jacks allowed.
- Heavy-duty springs may be used if dimension and diameter are the same as stock part. It is illegal to make any adjustments to springs in rear of the car.
- Stock type shocks only. One shock per wheel. They must be in stock mounts, at original mounting angles. The 2nd place finisher may claim the feature winner's shocks for \$250. The winner must trade shocks with claimer. Refusal will result in disqualification.
- No suspension adjusting devices allowed in driver's compartment.
- A-Frame must remain stock and mounted in the stock location. Heavy-duty ball joints allowed. Frames must not be cut and re-welded to change length or height. May weld threaded sleeve in lower A frame to accept K727 ball joint. Adjustable spacers not allowed.
- Adjustable spacers are not allowed.
- Nonadjustable pan hard bar permitted with stock bushings.
- No lift or J bars allowed.

Fuel, Fuel Cell, and Fuel Pumps:

- A NASCAR or NHRA approved fuel cell is mandatory and must be contained in a heavy steel box to prevent puncture. Fuel cell may be offset.
- Natural Bridge Speedway racing fuel only, no additives permitted. Natural Bridge Speedway has the right to withdraw fuel and refill with track fuel.
- Stock fuel pumps only.

Brakes

- Brakes must be original equipment for car makes and model used. No crossbreeding of parts. No adjusting devices allowed.

Tires and Wheels

- Tires **must** be purchased and branded from Natural Bridge Speedway to run for points.
- All tires must be Hoosier E-Mod Racing Tires.
- Maximum 8 inches wide steel only wheels.
- Standard weight. No lightweight wheels allowed.
- All wheels must be same size and must remain offset.
- Larger and longer wheel studs may be installed.
- Spindles and hubs must be stock appearing with no offset. No drop spindles allowed.
- Wheel spacers allowed.

Transmissions and Components

- Automatic transmissions or Saginaw 3 speed straight drive transmission okay. If automatic transmission is used, must have safety blanket or scatter shield.
- Must have Lakewood 360 drag racing style proof bell housing.
- Must retain stock flywheel, minimum weight of 16 pounds, with a 2 pound tolerance.
- All forward and reverse gears must work.
- Shift kit permitted.
- 10" minimum torque converters.
- No couplers or small clutches. Clutch must be stock 10 ½". Hydraulic clutches allowed.
- Standard/Manual transmission cars must have inspection hole in bottom of blow proof bell housing. Minimum size of hole to be 1 ½". Speedway official must be able to see clutch assembly through the location of this hole. Clutch fork hole will not be permitted for this task.
- Driveshaft must be standard steel shaft painted white.
- Two 360 degree ¼" x 1" loops must installed 6 to 12 inches from both ends of the shaft.
- Rear axle must be stock type for year being used. Absolutely no shortening of axle housing. Ten or twelve bolts rear may be used.
- Rear axle must mount in stock location using stock brackets and arms for car.

- Leaf or coil springs allowed. Leaf springs must fit stock location.

Engine Specifications

Approved Engines:

- a. Engine and transmission must match body manufacturer.
- b. Only standard production V-8 engines permitted.
- c. Maximum of 368 cubic inches.
- d. The engine must be completely stock.
- e. No cross breeding of engine parts.
- f. No grinding or polishing of any internal parts. Casting marks must be visible.
- g. Stock stroke must be retained with a +/- ten thousandths (0.010) tolerance; measuring at visible center of piston. Final value to be determined on average of 4 cylinders on same bank.
- h. No high performance or aftermarket parts allowed, except where noted herein.
- i. May run racing oil pan; no windage trays.

Heads:

- All part and casting numbers must be visible.
- Only two barrel venturi carburetor intake and heads will be allowed.
- Must be factory produced two-barrel engines only.
- Angle milling allowed, no small chambered heads, including 305 cubic inch heads.
- Valve size must be stock sized from manufacturer of engine being used.
- The following heads are not permitted: 186, 291, 041, 370, 461, 462, 492 and angle plug heads.
- No 202 valves.
- No Vortec or TBI heads
- 194 valves only.
- Aftermarket valve springs okay.
- Screw in studs and guide plates allowed.
- Polylocks allowed.

Crankshaft:

- No grinding or polishing except for balancing.

- Minimum GM crankshaft weight 50 pounds. No tolerance.
- 32442 GM crankshaft and aftermarket Scat and Eagle cast crankshaft allowed, stock GM factory steel crank allowed. – 50 pound minimum.

Pistons:

- No piston/rod combination changes.
- Forged or flat top pistons allowed.
- Must have a minimum 3/16" compression rings. Must have at least 3 rings.
- Two or four valve relief stock appearing pistons allowed.
- An overbore of 0.60" will be allowed. Pistons must have deck clearance of 0.10" (this means pistons down inside of deck 0.10". Head gasket removed.

Connecting Rods:

- Connecting rods must remain press fit.

Camshaft and Lifters:

- Any hydraulic cam and lifters permitted.
- No mushroom, solid, or collapsed lifters.
- No roller camshafts.

Intake Manifolds:

- Original factory cast iron 2-barrel intake manifold required.
- No porting or polishing allowed.
- All casting marks must be visible.
- No grinding of ports or runners.

Radiator:

- Aluminum radiator permitted.
- Radiator must be in front of engine.
- Aluminum pulleys okay.
- Plastic type RV fans are permitted.

- Steel stock fans are permitted.
- Flat fans and fiberglass fans are not permitted.

Carburetor:

- All cars must run a 2-Barrel carburetor. Must be kept in same manufacturer's line as engine used. Must be mass production two barrel carburetors only.
- Choke assembly can be removed..
- Holly jets permitted.
- Horn on top of carburetor must be retained.
- Venturi are of throttle body of carburetor can measure no larger than the following:

Manufacturer	Top	Bottom
GM/Delco/Roch	1.374"	1.680"
Motorcraft/Autolight	1.330"	1.650"
Chrysler/Holly	1.325"	1.650"

- Natural Bridge Speedway reserves the right to refuse any carburetor.

These are the maximum dimensions allowed. Casting variance of .005 over acceptable. Venturi area cannot be enlarged in any manner.

- Top of carburetor cannot be ground down.
- No carburetor spacers allowed.
- One carburetor gasket between carburetor and intake manifold. Maximum of 0.250" thick
- Must remain visible carburetor number.
- Matched porting is not permitted.
- No acid dipping.
- No grinding, cutting or machining allowed.
- Venturi cluster or carburetor cannot be altered. If any material is removed, it is illegal.

Timing and Distributors:

- Battery may be relocated. It must be in a marine box and securely mounted.
- Stock electronic ignitions are permitted.
- Only a stock single point distributor.
- Distributor cap must be removable.
- Stock coils only.
- No MSD components.
- Welding permitted on distributor shafts to lock advance.

Headers and Mufflers:

- Mufflers are required, no exceptions.
- Schoenfield #609 muffler is required and optional #8535 mufflers.
- Exhaust pipes must exit at the rear of the doors in front of the rear tires.
- Dual exhaust okay.
- Exhaust headers are of driver's/car owner's choice. No stainless headers..
- Frame cannot be modified in any way to accept headers.
- Mufflers must be installed so that part number is visible.

- **Fines, Penalties, and Suspensions:**

1. **Pre-Race Technical Violation(s):** Any technical violation(s) discovered during pre-race technical inspection, the driver will be notified of violation(s), and car must be fully in compliance before allowed to compete.
2. All decisions of officials and/or the promoter regarding the application or interpretation of the rules, and the scoring of finishing positions shall be non-litigable. All participants agree that they will not initiate any legal action against Natural Bridge Speedway,
3. By signing the annual membership/registration agreement, participants agree that they will comply with the written rules and procedures of Natural Bridge Speedway. If the participant breaches this membership/registration agreement, he or she will be liable for actual and liquidated damages sustained by Natural Bridge Speedway.

Code of Conduct and Conduct Penalties:

1. Drivers, car owners, and teams are to always conduct themselves in an orderly and professional manner while competing at any Natural Bridge Speedway event. Series director will judge incidents of conduct accordingly and use the following criteria to assess any penalties upon a driver, car owner, or race team as necessary.
2. Driver will be notified of penalties that have been levied by the series director. All series director's decisions are final.
3. Series director may choose to levy monetary fines, suspension from sanctioned events, and deduct points as deemed necessary by the rules infraction or actions taken by a driver at any time. Series and tracks reserve the right to enforce or levy fines, points penalties, require changes, or suspension from competition for any actions deemed detrimental to the sport, series, or track. This includes, but is not limited to, social media posts, and/or derogatory or distasteful statements/slogans/photos/graphics on cars or any other driver related material visible to the public (i.e. helmets or driver's suits, trailer or transporter, etc.).
4. Natural Bridge Speedway will adhere to, and uphold any suspension levied on a driver. If a driver has been suspended or barred from entering the property, that will be upheld by the Track. Series and sanctioned event do not overrule a track's decision to refuse entry to any driver, car owner, or crew member.
5. NOTE: These rules are not intended to eliminate competition or accidental contact. However, they are intended and may be used to penalize deliberate contact and/or over-driving or deemed deliberate acts of aggression towards other drivers.
6. No driver will be allowed to compete/participate while under the influence of any alcoholic beverage or illegal/controlled substances. If a driver is found to be participating in such a manner, that driver will be immediately suspended and removed from competing.
7. Any competitor that verbally abuses a track official by using profane and/or disrespectful language is subject to a fine of \$100 for the first offense. A \$200 fine, one-race suspension, and loss of points for the second offense. After a second offense, driver is subject to 30-day or longer suspension and loss of points as determined by officials.
8. Any physical confrontation, either on the track or in the pit area, will result in the aggressor(s) being suspended for one race minimum, loss of points, and \$300 fine for the first offense. A second offense will result in the driver being suspended for the remainder of the season, and a \$500 fine paid to the speedway before allowed back to competition.
9. Any driver who enters another driver's pit area, or approaches another driver's car on the speedway, will be deemed the aggressor. Away from either driver's pit area, both drivers will be considered aggressors. Drivers should be aware that they are responsible for any member of their race team, and the above penalties will apply to the driver concerned even if the driver is not directly involved.

- 10. In the event of a felony conviction of a driver, team member, or team sponsor, disciplinary action could be a minimum of a 365-day ban from the series beginning with the date of the conviction or the date of the completion of any incarceration to said conviction, whichever date shall last occur.
- 11. Disciplinary action may also include, but is not limited to, the right of the track organizers and officials to suspend either temporarily, or permanently, any driver, team member or sponsor, whose actions, in the sole opinion and discretion of the track organizers and officials, may have resulted in, or may result in harm or detriment to Natural Bridge Speedway.
- 12. Any incidents occurring during the last five events of the season, may result in penalties being applied to the beginning of the following season.
- 13. Any incident(s) that are judged to be deliberate acts of aggression, whether on or off the track, under green or caution, will result in disqualification and a monetary fine to be determined by track' officials.
- 14. Track officials reserve the right to increase the above penalties, by either adding additional money, suspension time, or points loss, depending on the severity of the incident.
- 15. Track officials reserve the right to revoke a competitor's membership at any time. All official's decisions are final.
- 16. Any threat of, or legal action taken or levied against the Track by a driver/race team, will immediately result in that driver's indefinite suspension from competition in any/all Natural Bridge Speedway events.
- 17. Any disqualification, other than a weight violation, will result in no points and no money for the event. Weight violation will move the driver to the end of the finish order.
- 18. The decisions made and disciplinary actions taken by the Track and officials hereunder shall not be appealed by the driver, team member, or team sponsor affected thereby.
- 19. ALL OFFICIAL'S DECISIONS ARE FINAL.

ATTENTION CAR OWNERS AND DRIVERS:

Please remember that we are here and can race because of the fans, promoters, and sponsors. If they don't benefit, we won't benefit. While we understand that this competition involves substantial financial stakes, there is no excuse for bad or unruly behavior which would tend to bring the track or sponsors into disrepute.

PLEASE NOTE: By entering, qualifying, and/or competing in a Natural Bridge Speedway event, you are accepting these rules and regulations as being those under which you are prepared to race. Any driver entering and competing in a Natural Bridge

Speedway event acknowledges and accepts the following: Natural Bridge Speedway and its assigns may use the drivers names, pictures, likeness, and performance in any way, medium, or material, including without limitation by and through, television, radio, air wave: cable and satellite broadcasts, film productions, videotape reproductions, audiotape reproductions, transmissions over the internet, and public and private on-line services authorized by Natural Bridge Speedway and the like, before, during, and after the event, for promoting, advertising, recording or reporting in the event and do hereby relinquish all rights there to for these purposes, provided however, that the car owner and driver shall retain the exclusive use of its or his/her name, picture and likeness in connection with product endorsements and the sale of products, services, concessions, and merchandise.

Owner:
 Print Name _____ Sign _____ Date _____
 Driver:
 Print Name _____ Sign _____ Date _____

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