

Birch Run Speedway
Pure Stock Division 2018 Official Rules

Updated March 19, 2018 - Amendments are shown in red

1. Safety

Birch Run Speedway safety rules follow standards set forth by the SFI Foundation, Inc.

- A. Helmet must be 2010 Snell standard or better and have sticker visible for inspection. Full-face helmets required.
- B. A capable form of head & neck restraint must be used. Neck Collars are allowed.
- C. Approved seat belts and double shoulder harness will be required, no older than two (2) years. A crotch strap is required.
- D. SFI approved, clean, full driving suit, approved gloves and shoes for fire protection are mandatory.
- E. Driver's side window must be equipped with safety net with quick release-latch. String window nets are not permitted. The minimum net size must be 22" wide and 16" high. When latched, the window net must fit and pull tight.
- F. Resilient padding designed for roll bar use must be installed on any roll cage member which can be reached by any extremity of the driver while driver is normally seated with restraints fastened. Steering wheel must be padded.
- G. All lead weights must be painted white, with the car number painted on each individual piece. All lead weights must be securely fastened. No Tungsten or similar weight allowed.
- H. All competing teams must possess a working fire extinguisher while in attendance in pits.
- I. A main electrical cut-off switch needs to be clearly marked and easily accessible to safety crews.
- J. A working Fire Suppression system or driver accessible fire extinguisher (minimum 5 lb.) is required.
- K. All cars must have an OBERG, SRI or other approved Vacuum Style fuel shut off placed at the point the fuel exits the cell.
- L. Working fuel cell flapper valve is required.
- M. Fuel cap must be tethered.
- N. Hood and trunk (deck lids) may only be secured with pins.
- O. Seats must be an aluminum high back racing seat. Right and left head restraints are required.
- P. RaceCeivers are required to be used at all times car is on-track.
- Q. Mirrors are not permitted.
- R. Rear windows may not be covered. Driver must be able to see through rear window.

2. Battery

- A. Only one battery is allowed.
- B. Battery must be mounted in the trunk with two (2) 1" metal straps.
- C. Battery must be securely mounted outside of driver's compartment.

3. Body

- A. Only American made automobile with a minimum wheelbase of 108" is allowed.
- B. Leaf spring cars are not permitted.
- C. Alterations other than those stated in this rule book are not permitted.
- D. Front and rear bumper are required to have functional wrecker hooks installed.
- E. All doors must be welded shut.
- F. All glass must be removed except front windshield. Front windshield may be replaced only with 1/8" Lexan.
- G. Aluminum body components are not permitted.

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4. Brakes

- A. Functioning brakes on all four wheels is required.
- B. Brake shut off devices or proportioning valves or **brake bias valves** are not permitted.
- C. Stock OEM calipers and rotors are required. Drilling or lightening of rotors is not permitted.
- D. Rear disk brakes are not permitted.
- E. Brake Floaters are not permitted.

5. Engine

- A. Rebuilt engines must meet stock specifications.
- B. Engines may be rebuilt to stock specs; maximum 0.030 clean up allowed.
- C. Stroking or de-stroking is not permitted.
- D. Racing or performance enhancing engine components of any kind are not permitted.
- E. **Maximum lift 0.480 at the rocker.**
- F. 400 cubic inch GM engines are required to use stock type two (2) barrel "Rochester" carburetor.
- G. Non stock bore stroke combinations (included but not limited to 377 and 383) are not permitted.
- H. Camel back heads are allowed.
- I. Porting and/or polishing is not permitted.
- J. Maximum 10 to 1 compression.
- K. Fuel injected engines are not permitted.
- L. Holly 4412 two (2) barrel carburetor allowed. Must be stock. 350 cubic inch only.
- M. 1" adaptor plate is allowed to mate two (2) barrel carburetor to intake.
- N. Aftermarket pulleys and power steer pump is allowed.
- O. Aftermarket valve covers are allowed. Any engine component considered to be "high performance" is not permitted.
- P. A 1" inspection bung must be installed in oil pan above oil level line.
- Q. Guide plates and screw studs are allowed. Roller rockers are not permitted. View of crankshaft and components must not be obstructed.
- R. **ARP Bolts allowed.**

6. Exhaust

- A. Exhaust must be completely sealed and must exit the car behind the driver. No part of the exhaust may pass through the driver's compartment.
- B. Mufflers are required. Maximum noise level is 100 decibels.
- C. Dual or single exhaust, 2" maximum O.D. Exhaust must not exceed 2" maximum throughout the entire exhaust assembly. Center dump exhaust manifolds of any kind are not permitted.
- D. Exhaust must exit behind the driver using 2" ID muffler.

7. Frame

- A. Welded or positraction rear ends are allowed.
- B. Rear frame rails may be replaced with square tubing only if excessive rust is present on stock frame rails.
- C. Trailer hitches and similar add-ons must be removed from car.
- D. Minimum frame ride height, 5".

8. Fuel Cell

- A. All cars must have a made for racing fuel cell securely mounted in the trunk area of the car with two (2) 1" metal straps. Fuel cell must have safety hoop.
- B. Fuel cell must have a minimum ground clearance of 8".
- C. Fuel lines may not pass through the driver's compartment.
- D. Electric fuel pumps are not permitted.
- E. A firewall must separate the trunk and driver's compartment.
- F. Only pump gasoline is allowed. No fuel additives are permitted

9. Radiator

- A. Only 1 radiator is permitted.
- B. Radiator must vent into catch-can or mount overflow tube at center of windshield in clear view of officials.
- C. Anti-freeze is not permitted.

10. Roll Cage

- A. A four (4) point roll-cage of at least 1-3/4" O.D., with a minimum 0.095 wall thickness tubing required. Roll cage must remain in the interior of the car.
- B. Door bars are required. Minimum of three (3) on driver side. Minimum of two (2) door bars on passenger side.
- C. 1/8" steel door plate, minimum 16x24" on the driver side.

11. Suspension

- A. Right front springs must maintain same height and same coil count as left front spring. Right rear springs must maintain same height and coil count as left rear spring.
- B. Only one (1) shock per wheel is allowed.
- C. Intermixing of suspension components is not permitted.
- D. Remote reservoirs are not permitted.
- E. Canister shocks of any type are not permitted.
- F. Double external adjustable shocks are not permitted in any form.
- G. Shocks must be only mechanical in nature and no part of suspension or shocks may utilize electricity
- H. Electronic or hydraulic traction control devices are not permitted.
- I. Hydraulic trailing arms are not permitted.
- J. Only one (1) spring-loaded rear suspension device is allowed.
- K. Only cast iron or steel spindles are acceptable. Aluminum spindles are not permitted.
- L. Driver actuated weight jacking devices are not permitted.
- M. Adjustable shocks are not permitted.

12. Tires

- A. Any DOT steel belted radial treaded tire 8" maximum tread width is allowed. 235 - 60s maximum tire size. Stock radial tires only. Recaps and/or retreads are not permitted. Made for racing tires are not permitted.
- B. Use of tire softening or altering agents is not permitted.
- C. Removals of front inner liners are allowed.

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13. Transmission

- A. Stock automatic transmission is required. Power glides are not permitted.
- B. 12" diameter converter minimum.
- C. 350 turbo, 400 turbo and all metric variations must retain all working gears. Removal of gears or lightening of gears is not permitted.
- D. Drive shaft must be painted white.
- E. Front and rear drive shaft hoops made of steel are required.

14. Wheels

- A. Steel, made for racing wheels only.
- B. Maximum wheel width is 8".
- C. Wheel studs must be 5/8" minimum with five (5), 1" hex lug nuts.

15. Weight

- A. Car must maintain a minimum base (total) weight of 3500 lbs. with driver in car throughout the event. This includes both pre and post-race inspections.
- B. Maximum left side weight is 55%
- C. Maximum rear weight is 50%
- D. Only lead may be used for ballast. Lead must be anchored with a minimum of two (2) ½" diameter bolts.
- E. All weight (lead only) must be painted white with car number painted in contrasting color on all sides of lead.

Contacts

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