

2019 BIRCH RUN SPEEDWAY

PURE STOCK RULES

A. SAFETY

1. Helmet must be 2010 Snell standards or better and have sticker visible for inspection. Full-face helmets mandatory with shield.
2. A capable form of head & neck restraint must be used. Neck collars are ok. Head & neck restraints such as, Hans, Impact, Simpson type are highly recommended, but not mandatory.
3. A 5 point SFI approved safety harness is mandatory, must not be more than two (2) years old.
4. Drivers must have a clean and neat appearing SFI approved, full driving suit, approved gloves and shoes for fire protection.
5. Drivers side window must have an SFI approved window net with a clearly marked quick release. NO STRING/MESH nets are permitted. Minimum size must be 22" wide and 16" high, when latched the window net must fit and pull tight.
6. Roll bar padding must be installed around the drivers area where their helmet, hands, arm or legs might come into contact with the roll bar tubing. Resilient fire retardant type is highly recommended. Steering wheel must be padded.
7. All weight must be lead, NO TITANIUM OR OTHER EXOTIC METAL ALLOWED! All weight must be painted white and have car number painted on each piece of weight.
8. All team must have a working fire extinguisher in their pit area at all times, you must have at least two (2) jack stands under your car if you are going to be under it, no exceptions!
9. All cars must have a master disconnect switch within reach of the driver and safety crew and it must be clearly marked.
10. All car must have a fully charged ABC type fire extinguisher (5lb minimum) within reach of the driver while they are strapped in. An onboard fire suppression system is highly recommend.
11. All cars must have an OBERG, SRI or other approved vacuum style fuel shut off placed at the point the fuel exits the cell. Working fuel cell flapper valve is required, fuel cap must be tethered to the cell.
12. Hood and trunk lids must be secured with hood pins.
13. Seats must be aluminum high back racing seat only, must have left and right head restraints. No fiberglass/plastic seats.
14. Racecievers are required to be used at all times when car is on the track. NO MIRRORS ALLOWED. Rear window must remain open and uncovered at all times, drivers must be able to see through the rear window opening.

B. BATTERY

1. Only one battery allowed. Must be mounted in the trunk with two (2) metal straps.

C. BODY

1. Only American made automobiles with a minimum wheelbase of 108" is allowed.
2. Leaf spring cars are not permitted
3. No modifications other than those stated in these rules are permitted. IF IT DOES'NT SAY YOU CAN DO IT, THAN DON'T!
4. Front and rear bumpers are required and must have functional wrecker hooks or cable strong enough to pick up the car, all doors must be bolted, chained or welded shut.
5. All glass must be removed except the front windshield. The front windshield may be replaced with 1/8" clear lexan only.
6. Aluminum body components are not permitted, all panels, hood, roof and truck must be steel.

D. BRAKES

1. Must have functioning brakes at all 4 wheel positions.
2. Brake shut off devices and/or proportioning valves and/or brake bias valves are no permitted.

3. Stock OEM calipers and rotors are required, Drilling or lightening of rotors is NOT permitted.
4. Rear disc brakes are not permitted. Brake floaters are not permitted.

E. ENGINE

1. Rebuilt engines must meet OEM stock specifications and stampings. Exceptions, maximum 0.030 cylinder wall clean-up, hydraulic cam only, stock lifter bore.
2. Racing and/or performance enhancing components of any kind are not permitted. ARP bolts or ok.
3. De-stroking or stroking is not permitted.
4. 400 cubic inch GM engines are required to use stock type two (2) barrel "Rochester" carburetor only.
5. Non stock bore/stroke combinations (including 377 and 383) are not permitted.
6. No aluminum or aftermarket heads, camel back heads allowed, guide plates and screw in studs allowed NO ROLLER TIP ROCKERS.
7. No performance machine work period, cylinder heads must retain casting marks and sharp edges in bowl area.
8. MAXIMUM COMPRESSION 10 to 1 ratio MAXIMUM DISPLACEMENT 360 CU. IN.
9. No fuel injection engines.
10. Stock Rochester Quadra Jet or stock Holly 4412 allowed on 350 CU. IN. ONLY! (NO XP CARBS)
11. Stock intake manifold only (NO MARINE TYPE) a one (1)" adaptor plate allowed to mate two (2) bbl carb to intake.
12. Aftermarket pulleys and power steering pump is allowed aftermarket valve covers are allowed.
13. A 14"X4" K&N air cleaner assembly is allowed (no other K&N components allowed) NO AIR BOXES!
14. Engines must remain in stock location, solid engine and transmission mounts allowed.
15. IF IT DOESN'T SAY YOU CAN, THEN YOU CAN'T, SO DON'T!

F. EXHAUST

1. Exhaust must be completely sealed and must exit behind the driver, no part of the exhaust may pass through the driver's compartment.
2. Mufflers are required. 2" I.D. Maximum noise level is 100 decibels and will be strictly enforced.
3. Dual or single exhaust, 2" maximum O.D. exhaust must not exceed 2" maximum throughout the entire exhaust system, center dump manifolds of any kind are not permitted.

G. FRAMES

1. Rear frame rails may be replaced with square tubing only if excessive rust is present on stock frame rails. (THIS DOES NOT MEAN YOU CAN HAVE A REAR TUBE CLIP!)
2. Trailer hitches and similar add-ons must be removed from car.
3. Minimum ride height 5" measured at the lowest point of car.

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H. FUEL CELL

1. 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.
2. Fuel cell must have a minimum ground clearance of 8", Fuel cap must be tethered to the cell.
3. Fuel lines may not pass through the driver's compartment. (NO ELECTRIC FUEL PUMPS).
4. Must have a firewall separating trunk from driver's compartment.

I. RADIATOR

1. Only one (1) radiator is permitted.
2. Radiator must vent into a catch-can or mount overflow tube at the center of windshield in clear view of officials.
3. Water is the only coolant allowed water wetter is allowed, (NO ANTIFREEZE ALLOWED)!

J. ROLL CAGE

1. A four (4) point roll-cage of at least 1 3/4" O.D. .095 wall tubing minimum required. Roll cage must remain in the interior of the car.
2. Door bars are required. Minimum of three (3) on driver's side and minimum of two (2) door bars on the passenger side.
3. 1/8" minimum thickness steel door plate, minimum 16"X24" on driver's side mandatory! (Roll bar padding highly recommended)

K. SUSPENSION

1. Right front spring must maintain same height and same coil count and wire diameter as left front spring. Right rear spring must maintain the same height and same coil count and wire diameter as the left rear.
2. Only one shock per wheel, adjustable shocks are not allowed, double external adjustable shocks are not allowed, canister shocks and/or remote reservoirs are not allowed.
3. The only shocks that are allowed are stock OEM hydraulic replacement type.
4. Intermixing of suspension components is not permitted, must match from side to side.
5. Electronic and/or hydraulic traction control devices are not allowed. (immediate disqualification and/or suspension will result if you are caught with any traction control device)!
6. OEM stock passenger car spindles only, (NO DROP SPINDLES) (NO ALUMINUM SPINDLES) must be same left side and right side. No cutting, welding or altering any part of the frame or suspension/steering components

L. TIRES

1. Any DOT steel belted radial treaded tire 8" maximum tread 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. (this may change).
2. Use of tire softening or altering agents is not permitted (NO TIRE SOAKING)

M. TRANSMISSION

1. Stock automatic transmission is required. Stick shifts and/or Power glides are not permitted. 12' minimum working convertor.
2. 350 turbo, 400 turbo and all metric variations must retain all working gears. Removal of gears and/or lightning of gears is not permitted.
3. Drive shaft must be painted white with car number painted on it, must have a drive shaft safety hoop 1/3 of the way back from the front of the drive shaft, chain ok.

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N. WHEELS

1. Steel made for racing wheels only, no cutting, welding or drilling allowed, no bleeders.
2. Maximum wheel width 8" only, this will be checked.
3. Wheel studs must be 5/8" minimum with five (5) 1" steel lug nuts.

O. WEIGHT

1. 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.
2. Maximum left side weight is 55% with driver in the seat with all safety equipment on.
3. Maximum rear weight is 50% after the race.
4. All weight (lead only) must be painted white with car number painted in contrasting color on all sides of lead.

Birch Run Speedway And Event Center reserves the right to inspect any car at anytime. BRSEC officials reserve the right to change, alter, or remove any rule at anytime in an effort to level the field of competition. All decisions made by BRSEC officials are final and binding to all parties.