

## 2020 Birch Run Speedway Pure Stocks Rules

*These rules are in accordance with the Owosso Speedway Pure Stock Rules. If you aren't legal at Owosso, then you aren't legal for the BRSEC. If you are disqualified for any technical issues we will notify Owosso speedway of the infraction. Also, if you are disqualified for any issues on or off the track you pay will be held for the night. On the Monday following the races you will be contacted by a track official to discuss the issues. On Wednesday you will be notified by a track official as to the conclusion of the issues. If you are awarded any monies you will be able to pick the money up on Wednesday or you can pick it up prior to the start of the racing event.*

### 1. Safety

- 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 5 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 the 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 electric 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 5lb.) is required.
- K. Driver must be able to exit out either side of the car.
- L. Working fuel cell flapper valve is required.
- M. Fuel cap must be tethered.
- N. Hood and trunk (deck lids) may only secured with pins.
- O. Seats must be an aluminum high back racing seat. Right side head restraint is required.
- P. Raceceivers are required to be used at all times car is on the track.
- Q. Mirrors are not permitted.
- R. Rear Windows may not be covered. Drivers must be able to see through the 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.
- D. 12 Volt battery **ONLY**.

### 3. BODIES

- A. Only American made automobile with a minimum wheelbase of 108" is allowed.
- B. Alterations other than those stated in this rule book are not permitted.
- C. Front and rear bumpers are required to have functional wrecker hooks installed.
- D. All doors must be welded shut.
- E. All glass must be removed except front windshield. Front windshield may be replaced only with 1/8" Lexan.
- F. Aluminum body components are not permitted. (Except factory hoods) **factory aluminum hoods cannot be gutted must remain stock.**
- G. NO sharp edges that may pop a tire.

### 4. BRAKES

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

### 6. ENGINE

- A. Engines maybe rebuilt to stock specs; and mounted in stock location maximum 0.060 clean up allowed.
- B. Stroking or de-stroking is not permitted.
- C. Racing or performance enhancing engine components of any kind ARE NOT PERMITTED.
- D. No 400 block
- E. Only stock cast iron heads allowed. NO VORTEC.
- F. Camel back heads ALLOWED. Screw in studs and guide plates and polly locks ALLOWED.
- G. Only stock intakes Allowed. (NO HIGH RISE. MARINE, CAMARO, CORVETTE).
- H. NO porting or polishing ANYWHERE. (HEADS, INTAKES, EXHAUST MANIFOLDS).
- I. Max compression 10 to 10.5
- J. NO FUEL INJECTIONS
- K. NO electric fuel pumps.
- L. 4-barrel quadrajet carb unaltered except the choke plate and shaft removed.
- M. NO LIGHTWEIGHT CRANKS, RODS OR PISTONS ALLOWED.
- N. Aftermarket pulleys, power steering pump, valve cover and aluminum water pumps ARE ALLOWED.
- O. A 1" inspection bung must be installed in the oil pan above the oil line. View of the crankshaft and Internal components must be unobstructed from viewing.
- P. Any hydraulic camshaft (NON-ROLLER).
- Q. NO ROLLER OF ANY KIND. (CAMS, LIFTERS, ROCKERS).
- R. Stock HEI Ignition system only. (NO COMPUTER BOARDS. MUST HAVE A STOCK 4 PIN MODULE).

## 7. EXHAUST

- A. Stock cast iron manifold only (NO CENTER DUMPS).
- B. Exhaust must be completely sealed and exit behind driver with turn downs.
- C. Dual or single 2" OD Max on all pipes and turn downs.
- D. NO X OR H PIPES ALLOWED.

## 8. FRAMES

- A. **Rear frame rails maybe replaced with square tubing because of rusted frame rails. Just from the center of rear axle back only.**
- B. Trailer hitches and similar add-ons must be removed.
- C. Minimum ride height 5" measured on the sides with driver in the car.

## 9. 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 drivers' compartment.
- F. Only pump gasoline is allowed. No fuel additives are permitted.

## 10. RADIATOR

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

## 11. Rollcage

- 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 the driver side. Minimum of two (2) door bars on passenger side.
- C. 1/8" steel door plate, minimum 16x24" on the driver's side.
- D. Front and rear hoops are allowed.

## 12. SUSPENSION

- A. Stock type springs in stock location, spacers allowed, NO COILOVERS OR SCREW JACKS.
- B. Sway bar must be mounted in stock location with stock hardware on the frame. Threaded rod may be used to mount it to the lower control arms.
- C. Intermixing of suspension components is not permitted.
- D. Only 1 Stock type shock per wheel mounted it the stock location with the stock hardware. NO adjustable shocks allowed.
- E. All control arms trailing arms must be stock for make and model of the car. (MUST NOT BE ALTERED).
- F. Only stock cast iron spindles are acceptable. Aluminum spindles are not permitted.
- G. Driver actuated weight jacking devices are not permitted.

- H. No driver adjustable devices are allowed.
- I. Electronic or hydraulic traction control devices are not permitted.
- J. ALL STEERING MUST REMAIN STOCK. Except for an aftermarket steering shaft may be used.

### **13. 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

### **14. 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.

### **15. 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.
- D. Wheel spacers are allowed.

### **16. WEIGHT**

- A. Car must maintain a minimum base (total) weight of 3500 lbs. with driver in car pre-race and pre-qualifying.
- 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) 1/2" Diameter bolts.
- E. All weight (lead only) must be painted white with car number painted in contrasting color on all sides.

Birch Run Speedway reserves the right to amend these rules at any time