

## Bear Ridge Speedway 2018 Sportsman Coupes

### BODIES

- ⌘ 1932-1948 Coupe or Sedan type only.
- ⌘ Bodies from rear window back must look stock appearing.
  - Measurements: Doors: min. 36" from center line of front axle to leading edge of door.
- ⌘ Hood: no Ram air Induction NO openings in hood.
  - o Rear quarters: NO modified rear quarters allowed. **TECH MUST APPROVE.**
- ⌘ Side rails mandatory. MUST NOT extend more than 2" wider than tires & must be rounded back to frame. Must be approved by tech.
- ⌘ Front bumpers will be outward not more than 14" from the tires and will have no upward slant. Front crash bar will not be over 6" wider than frame on either side.
- ⌘ Rear bumpers shall not exceed width of rear wheels. Bottom of rear and front bumpers to be no higher than 18" from the ground. Rear and front bumpers shall have a 6" height all the length and be made of steel tubing.

### CARBURETORS

- ⌘ Any stock two (2) barrel carburetor allowed. **NO HIGH PERFORMANCE OR ALUMINUM CARBORATORS ALLOWED**
- ⌘ Holley 4412 carburetor only with **no modifications allowed.**
- ⌘ Choke horn must remain intact and stock height.
- ⌘ 1" maximum carburetor spacer allowed maximum.
- ⌘ Choke plate and linkage may be removed.
- ⌘ Two throttle springs required, one facing forward, one backward.
- ⌘ Any air cleaner allowed with any top.
- ⌘ **NO TURTLES or any AIR DEFLECTING DEVICES ALLOWED.**

### COOLING SYSTEMS

- ⌘ Any cast iron water pump may be used, **NO aluminum pumps** allowed.
- ⌘ Any radiator.
- ⌘ Radiator must stand upright in front of engine.
- ⌘ Any fan may be used.
- ⌘ Aftermarket pulleys allowed.

### ENGINES (CRATE)

- ⌘ 602 Chevy Crate contact C.V. Elms 603/443-0640
  - o Only GM Sealed motors will be considered "stock" crate motors. Others may require weight penalties.

### ENGINES (V8)

- ⌘ Chevrolet 305 cu. in. limit + .060 for clean up maximum
- ⌘ Ford motor under 351 cu. in must be approved by tech for competition
- ⌘ 80 lb. valve springs max.

### BLOCKS

- ⌘ Cast iron blocks only, no performance or aftermarket blocks allowed.
- ⌘ Maximum over bore for Chevrolet and Ford is .060.
- ⌘ Deck may be "zeroed" piston cannot be above block at T.D.C.

### CYLINDER HEADS

#### **Chevrolet Heads 305 cu. in.**

- ⌘ All heads must be stock with OEM casting numbers for a 305 cu. in. engine.
- ⌘ No porting, polishing, grinding, sandblasting, or acid porting allowed.
- ⌘ All heads have to be cast iron.
- ⌘ Vortec heads may be drilled to except old style cast iron intakes, no other modifications allowed.
- ⌘ Maximum valve size 1.94 intake, 1.5 exhaust.
- ⌘ Minimum chamber size of 54 cc. WITHOUT THE HEADGASKET.
- ⌘ Screw in studs and guide plates allowed.
- ⌘ No titanium allowed in motor anywhere.
- ⌘ Any stock cast iron head allowed with OEM casting numbers.

#### **Ford GT-40 "P" cast iron heads allowed.**

- ⌘ No porting, polishing, grinding, sandblasting or acid porting allowed.
- ⌘ Maximum valve size 1.94 intake, 1.5 exhaust.
- ⌘ Minimum chamber size 56 cc. WITHOUT THE HEADGASKET.
- ⌘ Screw in studs and guide plates allowed.
- ⌘ No titanium allowed in motor anywhere.

#### **6 Cylinder motors**

- ⌘ Inline six (6) cylinders only. Any piston allowed.
- ⌘ Heads – stock iron type automotive heads only. Heads may be planed. Roller rockers allowed.
- ⌘ One one-barrel or one two-barrel carburetor allowed. Carburetor must be stock, choke plate may be removed. Throttle plates in two-barrel carburetor to be no larger than 1 11/16". Stock OEM. Any intake. Adapter may be used if necessary. 4412 Holley carb. Maximum. Choke horn must be left in place.
- ⌘ Headers may be used. Must exit behind the firewall and outside driver's compartment. **No 180° headers allowed.**
- ⌘ Any cam may be used.
- ⌘ Aluminum intake allowed, with adaptor if necessary.
- ⌘ No titanium allowed in motor anywhere

### Flat Head Motors "Run what cha brung"

#### V-8 Camshaft

- ⌘ Hydraulic camshafts only.
- ⌘ Lifters must remain stock diameter.
- ⌘ Maximum valve lift .500 measured AT THE VALVE.
- ⌘ Roller cams allowed as long as it came from the factory in the block being used, roller cams are not allowed in blocks that did not come with one in it from the factory.
- ⌘ No titanium parts.

#### V-8 Connecting rods

- ⌘ Must be steel and stock length for engine used.
- ⌘ All rods must be stock for Chevrolet and Ford.
- ⌘ No aftermarket rods allowed.
- ⌘ Chevrolet rod length is 5.700 in.
- ⌘ No aluminum rods.
- ⌘ No billet rods.
- ⌘ No titanium parts.

#### V-8 Pistons

- ⌘ Must be stock replacement. No lightweight pistons allowed. NO Floating pins allowed.
- ⌘ Pistons must have three (3) rings per piston.
- ⌘ Maximum over size .060.
- ⌘ Eyebrow pistons ONLY!!
- ⌘ Flat top or dished pistons only, no pop up or domed pistons.
- ⌘ Same rules for standard bore blocks.
- ⌘ Part # for Chevrolet 305 engines are Seal Power part #534NP for standard blocks and part #534NP-.060 for .060 blocks or equivalent.
- ⌘ Any stock piston is legal as long as GM or Ford numbers are visible.

#### V-8 Stroke

- ⌘ All engines must remain stock stroke for make and model engine used.
- ⌘ Chevrolet 305 cu. in. = 3.48 in. stroke.
- ⌘ **Chevrolet Crank shaft part ~ must weigh 50 lbs min.**

#### V-8 Valve Train

- ⌘ Screw in studs and guide plates allowed.
- ⌘ No pro flow or narrowed valve stems allowed.
- ⌘ No stud girdles allowed.
- ⌘ No titanium parts allowed.
- ⌘ Any ratio arm allowed as long as the lift DOES NOT exceed .500 lift at the valve.
- ⌘ Engine Set Back
- ⌘ Maximum engine setback allowed is 50 inches measured from back of motor to the centerline of the front axle on the right side.
- ⌘ Cars running an A-frame style front end will be stringed from the centerline of one spindle to the other and measured to the back of the motor. This must also measure 50 inches.
- ⌘ All engines must be centered in the frame.

#### EXHAUST SYSTEMS

**MUFFLERS MANDATORY!! IF YOU DO NOT HAVE A MUFFLER, YOU WILL NOT BE ALLOWED TO RACE.**

- ⌘ Headers allowed, must have mufflers.
- ⌘ 3" collector, Boria Supertrapp w/cap, Dynomax Bullet, Lobak, must be approved.
- ⌘ **1 7/8 straight thru header ONLY**
- ⌘ **NO Tri-Y or Step Headers.**
- ⌘ **Muffler 8" minimum 95 decimal MAX**

#### FRONT ENDS

- ⌘ Solid front axle or A-frame front suspension allowed.
- ⌘ Coil over shocks allowed on front end only.
- ⌘ No cockpit or onboard adjustments allowed.

#### IGNITION SYSTEMS

- ⌘ Any stock H.E.I. distributor – black cap white rotor. Rotor must turn 20°, or points ignition system allowed.
- ⌘ No mags.
- ⌘ No M.S.D's.

#### INTAKES

- ⌘ Chevrolet or Ford Performer intake allowed
- ⌘ Vortec or Standard intake allowed
- ⌘ Any cast iron OEM two barrel intake
- ⌘ No modification allowed.
- ⌘ 1" maximum height adapter plate between carburetor and intake manifold. Must have open hole with no tapers.
  - o **NO SUPER SUCKERS UNDER CARBURETOR**
- ⌘ No porting, polishing, grinding, sandblasting or acid porting

#### OIL SYSTEMS

- ⌘ After market oil pans allowed.

- ⌘ After market valve covers allowed.
- ⌘ No pressurized oil canister allowed (accu-sumps.)
- ⌘ Remote oil filters allowed.
- ⌘ Oil coolers allowed, under hood only.
- ⌘ No external oil pumps.

**REAR END**

- ⌘ Any full floating or quick-change rear end allowed, NO V-8 QC ALLOWED.
- ⌘ Maximum offset measured from the center of the rear end center section to the inside of the right rear wheel and from the center of the rear end center section to the inside of the left rear wheel will be no more than 2". There will be a 1/8 of an inch tolerance MAXIMUM allowed due to bent wheels or the variation in wheel offset.
- ⌘ Rear end must be centered between frame rails.

**NO ALUMINUM TUBES OR ALUMINUM SPINDLES ALLOWED IN REAR AXLE.**

**NO TITANIUM AXLES ALLOWED.**

**NO SMART TUBES ALLOWED.**

**FRONT OF REAR LEAF SPRINGS BOTH SIDES MUST BE SOLIDLY ANCHORED**

- ⌘ Aftermarket brake calipers allowed.
- ⌘ No birdcages.
- ⌘ No torque arms or third links allowed.
- ⌘ No coilovers of torsion bars allowed.
- ⌘ Brake floaters are allowed, but bolt must be able to be removed from the radius rod and floater must be free at all times. If the floater isn't free at all times it will be classified as a torque arm and you will be disqualified.
- ⌘ Rear sway bars allowed.
- ⌘ Leaf springs must be used as rear suspension, multi-leaf or mono-leaf steel springs only. No fiberglass or composite springs allowed.
- ⌘ Jack bolts allowed on rear springs.

**TIRES**

- ⌘ Bear Ridge Speedway DIRTcar Hoosier Tires
- ⌘ Tires must be DIRTcar stamped
- ⌘ Tires are available at the track

**FUEL Pump gas or track racing fuel allowed**

**TRANSMISSION**

- ⌘ Three-(3)-speed standard automotive transmission.
- ⌘ Automatics, must have working converter.
- ⌘ **BERT OR AFTERMARKET TRANSMISSIONS ALLOWED.**

**WEIGHT**

- ⌘ V8 Weight with 3 speed transmission 2400 with driver
- ⌘ V8 Weight with BERT or Aftermarket Transmission 2500 with driver
- ⌘ 6-cyl. Weight must be 2400 lbs. at any time with driver.
- ⌘ 602 crate engine without GM seals may be subject to weight penalty.

**WHEELS**

- ⌘ Steel or aluminum wheels. No wider than 14" measured from the inside of the bead to the inside of the bead lock ring.

**WHEEL BASE**

- ⌘ Minimum wheelbase 102 in.
- ⌘ Maximum wheelbase 110 in.

**At any time in fairness to competitor's weight may be added or restrictor plate usage required. Discretion of Track Official(s)**

INTERPRETATION OF RULES BY AN OFFICIAL IS FINAL. THE MANAGEMENT RESERVES THE RIGHT TO CHANGE ANY RULE OR RULES IF THEY FEEL IT IS NECESSARY, AND REFUSE ANY PROTEST IF THEY FEEL IT IS UNNECESSARY AND BEING USED FOR HARASSING REASONS. ALL FINES AND/OR SUSPENSIONS WILL BE IN EFFECT AT ALL BEAR RIDGE SPEEDWAY EVENTS.

THE INTERPRETATION AND INVOKING OF THE RULES PUBLISHED HERIN SHALL BE DETERMINED BY BEAR RIDGE SPEEDWAY OFFICIALS ONLY IN THEIR

PROFESSIONAL DISCRETION.

BEAR RIDGE SPEEDWAY INC.

OWNED AND OPERATED BY

APRIL MAY and C.V. ELMS

TRACK PHONE 802/222-4052

FAX 603/787-2490

WWW.BEARRIDGESPEEDWAY.COM

[www.brsdirt@charter.net](mailto:www.brsdirt@charter.net)