

2022 Birch Run Speedway Sportsman Rules

A. Chassis:

1. Any U.S. manufactured passenger car or truck body (On car chassis only!) No convertibles, 4-wheel drive or subcompact cars.
2. Minimum of 101" wheel base.

B. BODIES:

AFTERMARKET OR FABRICATED BODY OPTION –

1. Performance or Five-Star ABC STYLE and Fabricated bodies are allowed but do not receive weight break option.
 - a) Stock appearing roof & b pillars only.
 - b) Fabricated portions of bodies are allowed.
 - c) No wedge shaped bodies. Must resemble factory produced cars.
 - d) Edges where bent must have 1" curved radius minimum. Must not be right angle or sharp bends.
 - e) Must retain the original type contour of panels. NO SLAB SIDES.
 - f) Stock appearing deck lid, tail panel, and hood may be aluminum. Must appear stock. Deck lid must be at least 12" and width of body.
 - g) No wrap around windshield or tear drop style back windows.
 - h) Fenders and quarter panels may be aluminum, fiberglass, or steel. Must be stock appearing!
 - i) Air cleaner cannot protrude exposed thru hood, must be covered with either hood or scoop.
 - j) Spoiler 6" high x 60" max width allowed. 3 tubular vertical braces $\frac{3}{4}$ " not to exceed 18" or spoiler height. No rudders (side boards).
 - k) Stock appearing nose only. No MD3 or other radical outlaw nose allowed. No dirt noses, or fabricated shovel nose. No widening to fit body.
 - l) Stock appearing rear bumper must be utilized. No widening of design to fit the body.
 - m) Template ABC and fabricated bodies must incorporate an accessible tow cable or chain to compete.
 - n) Truck beds must be covered in steel/aluminum and sit level. No altering design to act as a spoiler. Trucks have the same spoiler measurements as cars.
 - o) Fuel cell must be accessible – 24" X 32" hatch required if you have a truck deck.
- 2) If you have any questions whatsoever about your body design, call the track before showing up with it.

STOCK STEEL BODY OPTION – 2) Must conform for weight break option.

- 1) Intermixing of stock OEM manufactured components is allowed.
 - a) OEM Stock steel roof skin, steel b pillars, steel quarter panels, stock appearing steel hood skin, and steel trunk skin will receive a weight break for this division of 200 lbs.
 - b) Stock Camaros, Chevelle, Nova, Monte Carlo, Impala, and other OEM factory steel body components are required to utilize this option.
 - c) Stock appearing nose only. No MD3 or other radical outlaw nose allowed. No dirt noses. No shovel noses.
 - d) Tail light panel must be stock appearing and non flow through design. It must not be widened to fit the body.
 - e) Deck lid will be accessible 12" and width of body.
 - f) Truck/ElCamino beds must be covered in steel sheet metal to receive a weight break option.
 - g) Fuel cell must be accessible 24" X 32" hatch required if you have a trunk deck.
 - h) Must have stock appearing bumpers in stock location, round or square tube bumpers must be covered. Aluminum bumpers ok. No sharp edges.
 - i) Spoilers 6" X 60" max width allowed. 3 tubular vertical braces $\frac{3}{4}$ " not to exceed 18" or spoiler height. No rudders (side boards).

GENERAL BODY RULES – ALL SPORTSMAN / STREET STOCK COMPETITORS

- a) NO jacked up decks.
- b) Side skirting must not interfere with ride height gauge.
- c) If it can cut a tire, it can't compete. Bolts cut off and rounded, carriage bolts for any rub rail or exterior bracing.
- d) No portion of body or chassis may be lower than 4"
- e) Body must be symmetrical, centered on chassis and must remain stock configuration.
- f) Radiators: Any type may be used providing it does not alter the hood or body sheet metal.
- g) All radiators must be in front of the engine and must not protrude through the hood. Radiator reinforcement must be behind the grill. Overflow hose must exit onto the right side windshield base. NO ANTIFREEZE! A FINE AND/OR SUSPENSION IF CAUGHT!
- h) The firewall must be sealed from the engine compartment.
- j) Rear firewall must be all sealed from the driver's compartment.
- k) NO coffin interiors (Passenger side) must taper down to the driveshaft tunnel from the passenger door. Everything must be sealed.
- l) No mirrors.
- m) All added weight must be painted white and approved mounting 2 $\frac{1}{2}$ " bolts.
- n) All glass must be removed from the car. Lexan may be used in place of windshields and must remain stock appearing. Windshields MANDATORY.
- o) Driver side floor pan must be covered or replaced with 1/8 thick steel plate. Front cage post to rear cage post must be welded, or bolted in. Minimum width of drivers' seat mandatory!
- p) ONE DRIVESHAFT hoop on the front 1/3 of the driveshaft. Driveshaft must be painted white. NO ALUMINUM OR CARBON FIBER.
- q) Any car not meeting these requirements will be subject to weight penalties at the discretion of the officials.
- r) Front and rear tow hooks must be secured to the bumper to frame. Chain loop must be large enough to accommodate wrecker hook. Must be adequate for car weight.

C. BATTERY:

- 1) Must NOT be located in the driver's compartment.
- 2) One 12-volt battery (checked randomly) Covers recommended.
- 3) Battery disconnect will be located to the right side of the driver, accessible to driver and safety crew and clearly marked ON-OFF.
- 4) Battery must be securely mounted in car with 2-Wide Metal Straps.

D. BRAKES:

- 1) Must have four (4) wheel brakes and all four (4) wheels operating at all times.
- 2) Interchanging stock parts allowed.
- 3) Made for racing dual master cylinders and pedals allowed. No brake shut off valves. No anti-lock brakes.
- 4) Adjustable proportioning valves (brakes bias) Okay. Front to rear only.
- 5) steel calipers, single piston only.
- 6) No traction devices. Hydraulic or electronic. No wheel speed sensors.

E. CARBURETOR:

- 1) One 2-barrel Holley only. Manufacturers #4412 unaltered, except for removal of choke horn, choke shaft, and butterfly. Must have circular shaped stock venturis. No grinding or thinning of the throttle shaft, plates, or screws. No exceptions! Screws must protrude through the shaft! To receive 100 lb. weight break.
- 2) A maximum, 1" thick carburetor adaptor or spacer plate, must be removable from the carburetor for inspection.
- 3) NO opening in the intake manifold to the atmosphere other than the carburetor. No opening in the carburetor to the atmosphere other than its inlet, carbs leaking vacuum to the outside atmosphere upon simple spray test will be further inspected for modification. If alterations have occurred MANDATORY DQ.
- 4) 2 barrel Carburetor must fit track gauges for weight break.

NO EXCEPTIONS.

- 5) Single 4 barrels allowed no weight break.

F. DIFFERENTIAL:

- 1) Rear ends must be stock or may be welded. 9" Ford or floaters are allowed.

G. ENGINE:

- 1) Any cast iron block.
- 2) Cast iron straight plug or angle-plug heads allowed.
- 3) No adapter or spacer plates between intake and cylinder heads allowed. Intake must bolt directly to the cylinder head.
- 4) Roller rockers allowed; no shaft type systems. Stud girdles allowed. Any Camshaft. 5) any hei , or msd 6al non programable part number 6430 only no electronic or manual operated timing devices 4 pin sealed module allowed.
- 6) Starters must be in working order at all times.
- 7) ENGINE LOCATION: Forward most spark plug hole in line with the center of the ball joint checked on the driver's side, "+or -1."
- 8) Anything of questionable nature should be approved prior to competition.

H. EXHAUST:

- 1) Drop headers and 180 degree headers allowed.
- 2) Exhaust must exit to the rear of the driver's compartment.
- 3) Exhaust will be securely mounted with hangers.
- 4) Working mufflers are mandatory. Must meet 97 decibels at trackside.

I. FRAME:

- 1) Full frame may be shortened to 101" minimum.
- 2) Tube tail-sections are allowed from the centerline of the rear end to the rear bumper only.
- 3) Front and rear clip mixing allowed. Must retain stock frame rails and connection points. No exotic frame modifications.
- 4) Any frame plating or tubing attached below stock frame rails will be considered the frame. Stock lower trailing arm geometry must be retained.
- 5) Unibody frames must retain stock frame rails and suspension mounts or be grafted on a conventional full frame. Some plating of stock frame rails allowed.
- 6) No aluminum frames or subs.
- 7) A Camaro clip tube rear car ok to run
- 8) All frames may be notched for fuel pump clearance, and oil pan (Rear sump clearance only).
- 9) Any car not meeting these requirements will be subject to weight penalties at the discretion of the officials.
- 10) No portion of body or chassis may be lower than 4". Chassis measured at Side Rail.

J. FUEL SYSTEM:

- 1) Pump or racing gasoline only.
- 2) No nitrous Oxide systems allowed.
- 3) Fuel cells mandatory; must have a steel container. No aluminum fuel cell containers.
- 4) No fuel lines or transmission lines in the driver's compartment.
- 5) Gas caps secured by means of chain or cable to the car, Mandatory.
- 6) Must have fuel cell guard made of 1 ¼", .095 wall thickness tubing. Welded between rear frame rails and must extend down to the bottom of the cell.
- 7) 8" minimum fuel cell height at the lowest point.

K. ROLL CAGE CONSTRUCTION:

- 1) A 4-post roll cage is mandatory!
- 2) Cage must have 3 left side horizontal bars and 2 left side vertical bars that connect horizontal bars down to frame rail.
- 3) Must have 2 right side horizontal bars and at least 1 vertical bar that connects horizontal bars to right side of frame rail.
- 4) Roll cage must be no less than 1 3/4" tubing, .095 wall thickness for the entire roll cage (may be randomly checked). No black iron pipe, no galvanized pipe.
- 5) Driver side of car must have an 1/8" steel plate that extends from left front cage post to left rear cage post and from top horizontal door bar down to frame rail; this is mandatory. Must be welded to frame and cage bars. All welding must be done in a professional like manner subject to approval. SAFETY, SAFETY, SAFETY!

L. SUSPENSION – FRONT AND REAR:

1) FRONT SUSPENSION

- 1) Tubular upper control arms are allowed. Tubular lower front control arms are not allowed.
- 2) Stock components only! Interchanging of stock components allowed.
- 3) No aluminum parts. No aluminum spindles or control arms.
- 4) no rack and pinions.
- 5) Steel Heim Tie Rod Ends allowed and adjustable center links allowed.
- 6) Howe forged spindle OK. (No weight break) No tubular or hollow spindles.
- 7) No tubular or 3 piece splined sway bars, stock OEM style bars only. Mounting must clear your steering appropriately. No mounts that could interfere with tie rods or clamps.
- 8) Front springs must be in the stock location and have the same type of mounting as OEM 4" minimum spring diameter. Screw cups allowed, jack bolts allowed.
- 9) No driver operated jacking devices.
- 10) 80" maximum tread width measured at tire sidewall BOTTOM.

2) REAR SUSPENSION

- 1) Must retain stock geometric measurements and linkage ratios for frame used.
- 2) 3 or 4 link rear end setups will be allowed. Simple steel 3 link is allowed. Factory 3 and 4 link and track bars allowed.
- 3) No aluminum, no spring loaded line components. If you run a 3 link, j bar, panhard bar add 100 lbs. See weight section for further definition.
- 4) No coil over or coil over eliminator components, period!
- 5) Rear spring pockets may be altered 2" upward only. Deviations from these rules will be subject to weight penalties at the discretion of the officials. Rear frame cross member may be modified, however, spring pockets must retain the same general design and general location.
- 6) Stock steel type shock. (PO, AFKO, CARRERA, OR QA1). Welded end, economy style shocks or stock type mounts only – No ALUMINUM SHOCKS, NO EXTERNAL RESERVOIR, NO PENSKE, NO REVALVABLE BILSTEIN, NO OHLINS, NO INTEGRA. The shock rule is pretty straight forward. NO EXOTIC or HIGH DOLLAR shocks in this class. If you have something non-economy call or ask first before coming to the track with it on your car. \$100 per shock claim may be utilized by a registered sportsman driver/team in the same event (on lead lap) or by the speedway itself within 10 minutes of the end of the race. Must have raced prior 2 events to submit claim. Claimed shock must be on claimers car the following racing event. Claimed shocks will be marked by tech officials. Any car not meeting these requirements will be subject to weight penalties at the discretion of the officials. – NO EXCEPTIONS!

M. TIRES/WHEELS:

- 1) Hoosier F70 (subject to change)
- 2) No tire softening agents' allowed or other foreign matter.
- 3) Checked by pyrometer reading and/or "sniffer" (randomly checked).
- 4) 8" Steel Safety Wheels Only – 1" Lug Nuts! 5) 5/8" wheel studs mandatory with exposed thread past lug nut.

N. TRANSMISSIONS:

- 1) Any transmission allowed (including Bert, Brinn, etc.) – must have working forward and reverse gears.
- 2) 5" mini clutches allowed and direct drive automatic with coupler or dummy converter allowed.
- 3) No aluminum flywheels.
- 4) Drive shafts must be made of steel and painted white.
- 5) 2 driveshaft loops are mandatory, one in the front and one in the rear.

Aluminum drive shafts are NOT allowed.

O. TRACTION CONTROL:

- 1) Traction control: All electronic and/or computerized wheel spin and/or ignition retardation and/or acceleration limiting and/or traction control devices of any type will not be permitted.
- 2) Adjustable ping control devices, dial a chip controls and/or automated throttle controls will not be permitted. 3) Adjustable restrictor plates will not be permitted.
- 4) Remote control components of any type will not be permitted.
- 5) Data acquisition will not be permitted.

P. WEIGHT:

- 1) 3100 lbs. is the base weigh for this class before event.
 - a) Cars with any 3 link or panhard bar add 100 lbs.
 - b) Cars with a gauge legal 4412 2 barrel carb 100 lb. weight break
 - c) Stock steel bodied cars may subtract 200 lbs. See body rules for definition of weight break.
 - d) ALL STOCK FRONT SUSPENSION INCLUDING TUBULAR UPPERS MAY SUBTRACT 100 LBS.
- 2) Maximum 57% left side weight.
- 3) Maximum 52% rear weight.
- 4) Officials will adjust the weight of cars to even competition if necessary.
- 5) UPON FILLING OUT DRIVER'S REGISTRATION, YOU MUST CLAIM YOUR MODIFICATIONS AND BE LABELED WITH YOUR WEIGHT FOR TECH. YOUR WEIGHT MUST BE DISPLAYED ON BIRCH RUN SPEEDWAY INSPECTION STICKER TO BE PLACED IN THE UPPER RIGHT HAND CORNER OF WINDSHIELD.



