

2019 MODIFIEDS

OFFICIAL RULES

NOTE: BRSEC DOES NOT EXPRESS OR IMPLIES ANY WARRANTY OF SAFETY RESULTING FROM THE PUBLICATION OF, OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS. THESE RULES ARE INTENDED AS A GUIDE TO CONDUCT THIS SPORT AND ARE NOT IN ANY WAY A GUARANTEE AGAINST INJURY OR DEATH TO ANY PARTICIPANT, SPECTATOR, OR OFFICIAL.

THE ABSENCE OF A PARTICULAR RULE DOES NOT NECESSARILY MEAN IT'S APPROVAL!

ANY INFRACTION OF THE RULES MAY RESULT IN A WEIGHT PENALTY OR NOT BEING ABLE TO RACE BRSEC OFFICIALS HAVE FINAL DECISION IN ALL RULINGS! KNOW THE RULES BEFORE YOU GET TO THE TRACK!!

1. SAFETY EQUIPMENT:

SNELL-RATED SA 2010, SA 2015 or better helmet required. Roll bar padding required in drivers compartment (FIRE RETARDANT HIGHLY RECOMMENDED) SFI full suit required. Fire retardant neck brace, gloves and shoes required. HEAD AND NECK RESTRAINTS ARE MANDATORY NO NECK COLLARS. (COLLAPSIBLE STEERING SHAFT; HIGHLY RECOMMENDED) Drivers side window net required, MUST be mounted so that the latch is at the top front of window. Minimum three inch wide, five point safety belt assembly required, must be mounted securely to the roll cage.(HIGHLY RECOMMENDED NOT TO BE MORE THAN FOUR YEARS OLD). Fire Bottle system required. (A SEPARATE, HEAT ACTIVATED, FIRE BOTTLE ON THE FUEL CELL IS HIGHLY RECOMMENDED). Kill switch required within easy reach of driver and must be clearly marked "OFF" and "ON".

2. FRAME:

1964 or newer OEM perimeter American made rear wheel drive passenger car frame only. (*Reproduction 68-72 Chevelle frames are approved*) **No sports car frames!** 2002 & newer Ford Crown Vic or similar frames allowed. Strut front suspension of any kind allowed must add 50 lbs. no tube/fab clips allowed. Frame must be full and complete, cannot be widened or narrowed and must be able to support roll cage on both sides. **Exceptions:** Weight jack in original center line of spring tower; frame may be cut a maximum 36 inches forward from center of rear housing; horns may be removed in front of steering box and idler arm, front crossmember may only be notched and boxed front and rear for radiator and/or steering clearance; maximum 7 inch wide opening in side of of spring tower for spring removal. OEM upper control arm mounts may be replaced with aftermarket mounts. Maximum 4 inch wide by 4 inch tall frame stiffener may be welded directly to outside of left OEM frame rail. Left side OEM frame rail may be notched for seat clearance. Minimum wheelbase 108 inches, maximum 112 inches both sides the same. Maximum overall width, front and rear, shall not exceed 78 inches from outside sidewall to outside sidewall at spindle height. **NO HOLES DRILLED IN ANY PART OF FRAME, CAGE OR CLIP TO REDUCE WEIGHT!**

3. ROLL CAGE:

Must be consist of continuous hoops, minimum 1.75 inch O.D. tubing, with a minimum wall thickness of .095 for the main cage. Frame mounted in at least 6 places, low carbon or mild steel recommended. Must consist of a configuration of front, rear and top hoops connected by tubing on the sides or side hoops. Driver's head must not protrude outside of the cage with helmet on. Roll cage must be securely supported and braced with minimum of 1 cross bar in top of halo. Foot protection bar(s) required. Main cage cannot be no further forward than the rear of engine. All bars forward of the cage must be lower than the hood. **"X" OR "Z" BAR BEHIND THE DRIVERS HEAD IS HIGHLY RECOMMENDED. ALL CARS RUNNING A BIRD CAGE TYPE REAR END MUST HAVE A 1/16 INCH STEEL PLATE or 1/8 INCH ALUM. PLATE BEHIND SEAT FROM TOP BAR TO BOTTOM TO THE THE LEFT SIDE DOOR BARS TO 3 INCHS PAST THE SEAT. THIS WILL BE IN PLACE OR YOU DON'T RUN.**

4. DOOR BARS:

All side door bars and uprights must be a minimum 1.75 inch and .095 inch wall thickness. Minimum of 4 drivers side door bars, parallel to the ground and perpendicular to the driver and welded to the front and rear of roll cage. Passenger side must have at least 1 cross door bar, horizontal or angled and 1 top door bar, minimum of 1.5 O.D. Steel door plate 19 gauge (0.65)

minimum thickness, must be securely welded to outside of the drivers side door bars and cover the area from the top of door bar to the bottom door bar and from the rear down post to the front of the cage down post.

5. BODY: (SEE DIAGRAM)

Must be same width, front to rear and parallel to the OEM frame. Engine compartment must remain open on both sides. Hood must be enclosed at rear. No panel in front of right door to engine compartment. No inner panels. Must have front windshield support and rear window support posts. Driver and passenger side windows must have at least 12 INCH HIGH BY 18 INCH WIDE opening, measured at center of window, between the lowest point at the top of window, whether roof or roll cage and the highest point whether interior or body. May use lean for sail panels. No full windshields. ROOFS MUST BE FIBERGLASS OR ALUM. (NO CARBON FIBER) FULL SIZE, ROUNDED AND STOCK APPEARING (NO FLAT ROOFS. Must run full upper and lower nose. No plastic body parts. Plastic nose's are ok. No wings or aero dynamic devices inside or outside of the car. You may run a MAX 1 1/2 inch lip on alum. Nose only to the front of the hood. Outside of the tires must be the widest part of the car. Quarter panels and B/C Pillars must be 2 distinct pieces. Oil coolers/radiator must not protrude above the interior or outside of the body.

ROOF: must be within a 1/2 inch to the top of the caged still meet existing roof rules and diagram (M), if you use an alum. Roof and it doesn't meet the spec's we will add 100 lbs. to the car on the scales or deduct 25% of your pay.

SPOILER: 1 Single blade 4 inch tall by 66 inch long at a 45 degree angle to the deck is allowed supports/braces on the rear of the spoiler.

SAIL PANELS: Must not be wider than the body, and attach to the quarter panels in a single stock appearing plane that angles inward to the roof, no bends/bows/curves allowed. You may have a 3/4 by 3/4 inch lip on the top. No dirt style sail panels, must be flat from body to roof. This is not a fix for next race!

6. DRIVERS COMPARTMENT:

Must have a minimum of 3 windshield bars in front of the driver. Lexan or alum. Cowl panel in front of the driver can be no wider than the cockpit and no farther back than the steering wheel. Minimum .125 inch alum. Or 22 gauge (.035 inch) gauge steel complete floor pan required. Aluminum high back seat only and must be bolted in securely, inside the left OEM frame and ahead of the rear tires.

Bottom of the seat cannot be lower than the bottom of the frame. (NASCAR STYLE RIGHT AND LEFT HEAD/SHOULDER AND LEG RESTRAINTS HIGHLY RECOMMENDED). Drivers must be sealed off from the track, driveline, engine, fuel cell, battery and pumps. No driver adjustable devices allowed in the cockpit, except brake adjusters. No mirrors or radios allowed.

7. FRONT SUSPENSION:

All components must be steel, unaltered and in OEM location and be replaceable by OEM parts. Exceptions: Tube type upper A frames with or without aluminum or steel cross shafts and mounts can be moved; only stamped steel OEM replacement lower A frames allowed, rubber, nylon, or steel lower A frame bushing only, (NO OFFSET BUSHINGS); welded or bolted shock mounts on lower A frames. Lower A frames must be left and right and the same design. OEM type ball joints only. Sway bar must be OEM type, no splined bars. Steel hub and rotor only (2 pcs hub and rotor allowed) no aluminum or wide 5.

8. STEERING:

No rack and pinion. All components must be steel, unaltered OEM, in OEM location. Exceptions: tie rod ends and adjuster sleeves may be replaced by a minimum .625 inch steel rod ends and steel tubes; OEM spindles can be modified for ball joints and tie rod ends only! Passenger car drop spindles allowed; (OEM car spindles only) NO MADE FOR RACING OR FABRICATED SPINDLES. Bolt on or welded spindle savers allowed; spindles must be right and left and the same design (2 inch drop and 2 inch drop no mix and match); steel steering shafts and knuckles only; steering quicker, steering wheel and quick release may be alum; drivers compartment steering may be modified but keep to the left side. OEM center link or OEM type center link allowed.

9. SHOCKS:

NO EXTERNAL CANISTERS (SCHRADER VALVES PERMITTED) 1 SHOCK PER WHEEL, 1 ADDITIONAL SHOCK ALLOWED IN THE LIFT/PULL BAR AREA. ALL SHOCKS MUST BE EASILY REMOVED (NO COVERS ALLOWED) ** NO COIL OVERTS ALLOWED ON THE FRONT. SHOCKS; must have a racers price of less than \$375.00 per shock NEW.

10. SPRINGS:

Steel coil and leaf springs allowed. Coil springs must be at least 4 1/2 inches O.D. No torsion bars or air bags Exception: pull bar may utilize smaller diameter springs.

11. REAR SUSPENSION:

No independent rear suspension. All components must be steel. No covers allowed. All trailing arms/link bars must be made of steel tubing (aluminum hex/spline tube will be acceptable). Rear of frame may be altered to accept leaf or coil springs. Steel coil-over eliminators, and steel or aluminum (5 inch) coil-over kits allowed the rear only. Must conform to shock and spring rules. No rear sway bars. Aluminum lanyard bar adjuster ok. No cockpit adjusters allowed.

12. REAR END:

Any steel approved OEM passenger car or truck rear end allowed. Closed, steel tube Quick changes allowed. Safety hubs (*floaters*) Mandatory. Steel axels only. No cambered rear ends. One (1) piece drive flange only. All components must be steel.

Exceptions: Lowering blocks, Axle caps, rotor plates, and drive flanges. NO COVER ON REAR END OF BODY!

13. BUMPERS: (See diagram)

Steel bumpers must be on the front and rear at all times and welded/bolted securely to the frame. Must be a minimum of 1.25 inch O.D. tubing .065 wall thickness. Two bar front bumper with both top and bottom bars mounted frame end to frame end, no wider than the width of the OEM frame horns. Bottom bar must be parallel to the ground, top bar must be directly above and parallel to the bottom bar, minimum of 6 1/2 inches apart measured center to center. Aluminum I-beam bumper is allowed on the rear. No sharp edges. Rear bumper must have nerf bars on each side from the end of the bumper rounded back to the main frame. Bumper must be the same width of the quarter panels. (See Z on body panel rules).

14. WHEELS:

Eight (8) inch steel wheels only, measured from inside bead to inside bead. No screws or rim mounted bleeder valves. Steel or aluminum wheel spacers are allowed.

15. TIRES:

No softening, soaking, conditioning, siping or grooving of tires. SOAKING OF TIRES IS STRICTLY PROHIBITED! (*This rule applies to ALL tires in the pits, on your car, in your trailer/hauler, ALL TIRES*).

(Decision of Official is FINAL and NOT up for Discussion!!)

**** TIRES MAY BE BROKEN DOWN AND INSPECTED AFTER THE RACE AT OFFICIALS DISCRETION!**

NOTE: HOOSIER D800 TIRE WILL BE USED IN 2019!! WE MAY USE THE D850 ON THE RR AFTER ICAR TEST RESULTS ARE IN.

16. BRAKES:

MUST be cast steel OEM type ONLY, operative on all 4 wheels, disc or drum. Must maintain minimum OEM dimensions for the hub and rotor and calipers, SINGLE piston calipers ONLY. Rotors cannot be drilled or lightened. Bolt pattern may be changed. Larger studs are allowed. Front brake rotors MUST be stock type. Rear rotors may be aftermarket, minimum .810 inch thickness. Vented rotors only. No scalloped or drilled rotors!

17. EXHAUST:

Round tube headers only. All primary tubes must enter into 1 collector at the end of the header. Mufflers are required!

18. FUEL SYSTEM:

Mechanical or belt driven pump only and mounted on the front of the engine. Racing fuel cell required 22 gallon maximum capacity. Square or rectangle in shape (*no tear drop, wedge or exotic F-1 type cells allowed*). **MUST BE IN A MINIMUM 22 GAUGE STEEL CONTAINER.** Cell must be securely mounted behind the rear Axle and between the rear tires. Cell cannot be lower than the bottom of the rear end housing. Cell must be mounted with a minimum of 2 solid steel straps around the entire cell, 2 inches wide and .125 inches thick or equivalent. All cell mounts must be steel and securely welded/bolted to the frame. Protective tubing must cover the rear of the cell and extend past both ends of the cell. No part of the cell is to be lower than the protective tubing. Vents and lids must have check valves. Must have an OBERG, SRI or other approved vacuum style fuel shut off where the fuel exits the cell. Fuel line pick up must be on the top of the cell. No cool cans and only (1) fuel filter. Minimum size fuel cell 16 gallons (we will not stop for refueling).

19. FUEL:

Racing gasoline, alcohol or E85 will be allowed. CARS THAT RUN ALCOHOL MUST HAVE THE LETTER (A) ON BOTH THE LEFT AND RIGHT SIDE OF THE SAIL PANEL AND ON THE REAR PANEL.

20. WEIGHT:

Minimum weight limit is 2400 pounds total and 1000 pounds right side with conventional set up (*NO TOLERANCE*), BEFORE THE RACE, with driver, helmet and all safety equipment sitting in normal driving position. 2450 pounds if car has bump stops and 1000 pounds right side before the race. All weight must be securely mounted with at least (2) 1/2 inch bolts to the frame or roll cage and painted white with car number on it. No weight allowed on the outside of the body, NO titanium, carbon fiber or exotic materials allowed on the race car! NO gun-drilled, tubular, hollow bolts or studs. Steel fasteners only!

21. BATTERY / STARTER:

One 12/16 volt battery only, securely mounted between the frame rails behind the crossmember, in front of the rear end and outside of the drivers cockpit, with the positive terminal covered. Car must have the ability of starting without being pushed or pulled. Standard or reverse mount starters allowed.

22. GAUGES /ELECTRONICS:

No electronic monitoring/data acquisition devices capable of storing or transmitting information! No adjustable ignition control box or boxes, must have a working distributor, only (1) 12/16 volt ignition box allowed! No additional ignition accessories allowed, No magnetos, No traction control devices!

23. TRANSMISSION:

Must have at least two forward gears and one reverse, pull a neutral position. With engine running and car in still position you must be able to engage the transmission move the car forward and backwards. OEM production type or approved aftermarket transmission (*Bert, Brian Falcon, Jericho, Richmond*) allowed. (2, 3, 4 speed and/or automatic only) No 5 - speed or more transmissions transmissions, (in and out) boxes allowed! Standard clutch type transmissions must have a blow proof bell housing (aluminum or steel). Automatic transmission must have an approve scatter shield.

24. DRIVE SHAFT:

Minimum 2.5 inch diameter, STEEL drive shaft only, must be painted white. Steel slip-yokes only. 360 degree drive shaft loop is required and must be constructed of at least .25 inch by 2 inch steel or equivalent, mounted 6 inches back from front u-joint.

25. ENGINE COMPARTMENT:

Rear of engine must be mounted at least 72 inches forward of the center line of rear Axle. Engine offset must be kept within 2 inches of the centerline of the front crossmember with engine level. Minimum 11 inch crankshaft height. (IT WILL BE CHECKED) Radiator must be mounted in front of the engine. Cooling system may be modified. NO ANTI-FREEZE!!

26. ENGINE:

Any American make engine allowed, steel block, no machine work done to the outside of block (*lightening*). Wet sump oiling system only. Minimum oil pan depth of 6.5 inches, this will be checked.

** SINGLE STAGE EXTERNAL PUMP ALLOWED AS LONG AS OIL REMAINS IN PAN (NO EXTERNAL OIL TANKS).

One (1) naturally aspirated two or four barrel carburetor only. (*No fuel injection*) No magnetos.

27. NUMBERS / DECALS:

All numbers shall be in contrasting color from the body, affixed to both doors/quarter panel and roof, be at least 4 inch thick and 20 inches tall and be readable from passenger side of car. Competitors are to reserve the front 24 inches of each door for Sanctioning Body and/or track Sponsors. (*Failure to run sponsors decals will result in 50% loss of purse and all points for the event*).

28. OVERALL:

(A) BRSEC officials reserves the right to change, modify, add or delete to these rules as they deem necessary.

(B) BRSEC officials reserves the right to confiscate any part or parts deemed by their Officials to be outside the of the rules. This includes tires and/or any parts of any race car at any event at any time!

(C) All decisions of the Officials are final and binding without exception.

29. Aluminum roofs ok must meet specs of fiberglass roof for late model, Five Star part # 661-5102/AR Bodies part # 10250

30. Roof front drop 3" MIN - 5" MAX, Rear drop 1.5" MIN - 2" MAX With a 6 foot level resting on the roof between 12 - 24 inches from the front edge, which is the highest point of the roof.

31. GENERAL COMPETITION:

(A) Drivers shall be responsible for the conduct and actions of all crew members, and any unsportsmanlike conduct shall be grounds for disqualification or punitive action as determined by BRSEC officials.

(B) All discussions with BRSEC Officials shall be conducted in a professional manner and at a proper distance.

(C) Drivers under the age of 18 must produce a signed and notarized Parental Consent form by the Parents or Legal Guardian.

(D) BRSEC officials may require, at it's optional, a competitor(s) to under go a physical or drug testing before said individual(s) are allowed to compete.

THE ABSENCE OF A PARTICULAR RULE DOES NOT NECESSARILY MEAN ITS APPROVAL!

ASPHALT BODY DIAGRAM & DIMENSIONS

(A). 20" **Max** - 16" **Min** (ground to center of bumper front & rear)

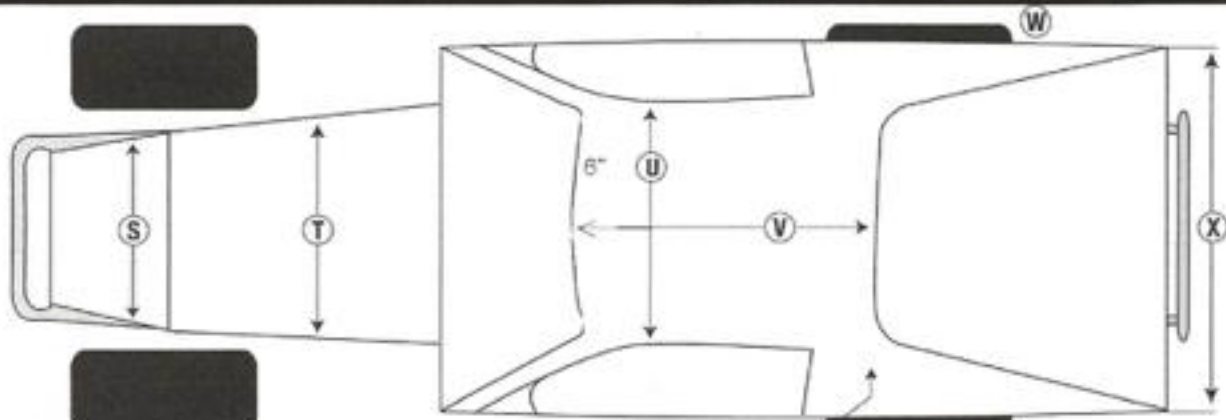
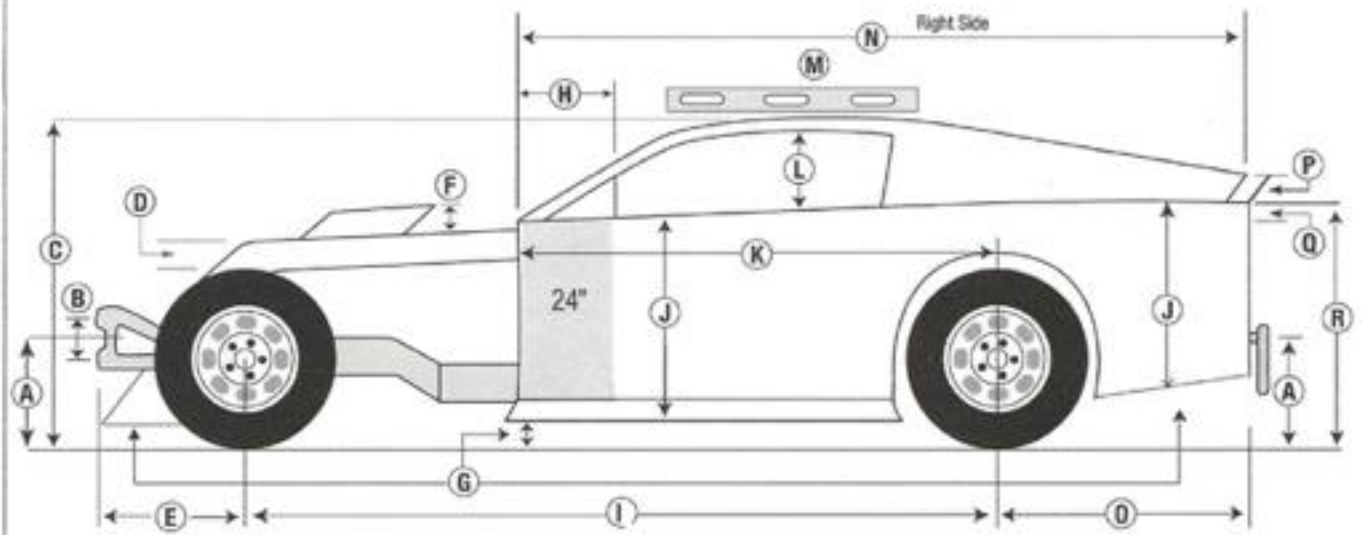
(B). 6.5" **Min** (center to center)

(C). 46" **Max** - 42" **Min**

(D). 6" **Max** hood sides - 3" **Max** rake in hood

(E). 32" **Max** (bumper & nose)

- (F). 6" **Max** (scoop/deflector)
- (G). 4" **Min** at nose and sides - 8" **Min** at quarters, no frame height
- (H). 19" **Max** (same both sides)
- (I). 112" **Max** - 108" **Min**
- (J). 29" **Max** - 22" **Min**
- (K). 72" **Max** or not past back of block, right side, left side may extend forward to cover foot box if necessary
- (L). 18" **Max** - 12" **Min** opening both sides
- (M). **WITH 6' LEVEL, MUST HAVE MIN 1.5" MAX 2" GRADUAL CLEARANCE AT REAR AND MIN 3" AND A MAX OF 5" AT FRONT. LEVEL WILL BE PLACED AT CENTER OF ROOF TO GET DIMENSIONS LISTED IN ITEM "M" !!**
- (N). 117" **Max** - 106" **Min**
- (O). 45" **Max** - 34" **Min**
- (P). 3" **Max** height at rear of sail panel, gradual slope from roof to this point. (4" x 66" **Max** spoiler 45 degrees to the deck is allowed with supports to the rear only)
- (Q). Interior slope is **6" Maximum** front to rear and flat across, if flat at front half of interior you have used up 50% of your 6" so from behind the driver to the rear you only have 3" of slope, top of interior must be flush with top of doors and quarter panels.
- (R). 38" **Max** - 28" **Min**
- (S). 38" **Max** - 24" **Min**
- (T). 66" **Max** -24" **Min** no narrower than radiator
- (U). 52" **Max** - 44" **Min**
- (V). 56" **Max** - 41" **Min**
- (W). Tires must be the widest part of the car, must be able to see side wall of the tire from front, top and rear
- (X). 66" **Max** - 53" **Min**
- (Y). 8" panel 90 degrees to ground, must be solid, attached to the deck and extend to the quarter panels securely fastened
- (Z). Aluminum "I" beam or tube bumpers allowed, **MUST** have rounded nerf bars that follow quarter panel and connect to frame on both sides



SAIL PANELS: Must not be wider than the body and must attach to the quarters in a single stock appearing plane that angles inward to the roof.

