

Central Nevada Racing Association 2024 Hobby Stock Rules

A. CAR SPECIFICATIONS

1. Any American made rear wheel drive car. Any full-size half-ton truck, manufactured by Ford, General Motors, or Chrysler. No vans, 4WD's or SUV's.
2. Wheel base minimum shall be 107.5 inches.
3. All bodies must be approved unaltered OEM, or OEM replacement Steel panels unless otherwise noted. OEM appearing aftermarket fiberglass roof allowed. OEM appearing aftermarket plastic nosepiece and OEM appearing aftermarket plastic tailpiece allowed. All body panels may be gutted, including fenders, doors, hood, roof, quarters and trunk, but must remain original size. OEM or aluminum aftermarket replacement hood allowed, Hood and trunk must be securely fastened and back of hood must be sealed off from driver compartment with metal. Hood must be separate from fenders. All inner wheel wells may be removed. OEM or aluminum aftermarket replacement trunk lid allowed. floor may be replaced, frame rail to frame rail, with 18-gauge steel. Overlapping of body panels permitted. All glass must be removed, all windows in body must remain open. All doors must be securely fastened. Fenders and quarter panels may be trimmed for tire clearance. Car number must be minimum four inches thick and 20 inches tall and clearly visible, on both sides and roof of car. Driver must be sealed off from track, driveline, engine and fuel cell. Front OEM firewall may be replaced using steel fabricated full firewall, 18-gauge thickness. Front firewall may be no further back than the rear of oval frame hole, must be vertical and 24-26 inches tall. All holes in firewalls and floor must be covered. OEM floor may be replaced from OEM front firewall to OEM rear firewall using steel fabricated floor pan, 18-gauge minimum thickness, securely welded to frame. Must remain flat, OEM appearing from frame rail to frame rail. Firewalls must extend to body. No mirrors, or glass of any kind.

B. ROLL CAGE

1. The roll cage shall be constructed using a minimum of 1.5" OD steel tubing or greater (1.75" recommended) with minimum wall thickness .095". No tubing on the car can be greater than 2" OD. Six-point cage consisting of four-point center section and "kicker bars". Kickers may be "X" braced. Center section of the cage must consist of a main hoop with "X" bracing and halo that clears the driver's head when he/she is strapped in with his/her helmet on. Every cage must have at least one halo bar and one in the center. The four points of the cage center section must be securely welded to the cars' frame rails or mounted on a steel 4x4 plate welded to unibodies. Windshield bar required. A minimum of three driver's side door bars are required to be plated with at least 18-gauge steel metal plating. Passenger side "Z" bracing required minimum. Driver and passenger doors may be gutted as necessary to fit the cage. Doors must be securely fastened, if running two (2) seats; passenger side needs to meet the same requirements as the driver's side door.
2. Front cage hoop permitted.
3. Roll bar padding is mandatory where driver can come in contact with the cage. All roll bar padding in the driver's compartment must be fire retardant.

4. Nerf bar may extend up to 2" beyond the factory body and must terminate inward and contain no sharp edges. Capped 1x2 tubing OK
5. Fuel cell is mandatory. Must be located in the trunk mounted securely. Pickup trucks must use a metal enclosed fuel cell mounted securely in the bed area between the frame rails. Metal enclosed fuel cells must use no greater than ten (10) gauge steel bar/material. If a fuel cell is dropped below the car must be surrounded by at least 18-gauge covering the bottom of the fuel cell. Metal fuel filters only. Each fuel cell must be fuel tight and have a functional roll over valve.

C. HELMETS (drivers gear please see track rules)

1. Drivers must have a Snell 2005 or better rated helmet. The strap and clasp must be in good functional condition. Helmets can't have any cracks, and must accompany the vehicle at time of inspection. No open face helmets will be allowed.
2. Window net will be mounted so it can be accessible by the driver and Safety Crew. Webbed net only, minimum size of 16"x20". Must be SFI approved. Subject to inspection.

D. SEATS AND BELTS

1. All vehicles must have an aluminum seat fastened to the roll cage ONLY. Do not attach the seat to the car body/ floor pan. Seat must be mounted with 4 – 3/8" bolts, in at least four (4) points. Side bolsters and side impact head supports are recommended.
2. Seat covers and padding must be fire retardant. Cover must be in good condition. No rips or holes.
3. Five (5) point type harnesses required with three (3) inch waist and shoulder straps. Belts may be no more than three (3) years old. Subject to tech inspection. All belts must be roll bar typed or securely mounted to the roll cage. No worn or sun rotted belts. Tattered fibers, nonfunctional clasps and insufficient mounting points will be cause for vehicle to fail tech.

E. Driver's compartment.

1. A battery kill switch is mandatory and the switch must be in the reach of the driver and Safety Crew. One battery per car.
2. Driver's compartment must be sealed from the engine and fuel cell by at least 18-gauge steel sheet. Driver must do everything possible to keep the driver's compartment completely sealed off from the engine and trunk area. No loose objects in the driver's compartment.
3. Any fluid transfer through the cab must be double walled steel and securely fastened, must be shielded from the driver. Subject to tech approval.

F. DRIVE-TRAIN SPECIFICATIONS

1. Engine and related components must remain stock as manufactured. Factory GM Vortec heads are allowed. Intake manifolds must be low rise. Bow tie blocks or heads are not allowed. Blocks, and heads must be OEM cast iron. No rollerized valve train components. No grinding, polishing, or porting of any kind to the intake, exhaust runners, or manifolds. Engine must be mounted in stock position. Solid motor mounts are allowed.
2. 602 crate motors are optional; seals must remain intact, OEM soft touch rev control allowed.
3. No roller cams, flat tappet cams only. Screw in rocker arm studs, OK. No stud girdles allowed.
4. Radiators must be mounted in stock position. Electric cooling fans are permitted. Radiator spray bar, pump and reservoir are permitted. Maximum reservoir capacity is five (5) gallons. System must be operational. Reservoir and system components must be securely mounted. Reservoir can only be mounted in the driver's compartment.
5. Exhaust must exit behind the driver. No exhaust components in driver compartment.
6. Distributors must be OEM or OEM direct replacement, no magnetos.
7. Two-barrel carburetor only, not to exceed 500 cfm.
 - No after-market metering blocks.
 - Changing of squirter's, jets, and power valves is OK.
 - Removal of choke plate mandatory. IV. All carbs are subject to passing a no-go gauge. V. One (1) adapter no more than one (1) inch in height. No tampering, no power adders allowed.
8. Gasoline/110 race fuel/ E85 ok, no methanol.
9. Electrical fuel pumps ok with an oil pressure switch or inertia switch mandatory and master shutoff switch (clearly marked).
10. OEM and factory transmissions mandatory. Working stock torque converter with fluid required. Stock clutch mandatory. Manual transmissions must have a scatter shield or steel bell housing. Steel Fly-wheels only.
11. Locked rear ends optional. No traction control device allowed. Nine-inch Ford allowed. Full floater rear axle allowed. Drive shaft must be painted white. Drive shaft hoop mandatory.

G. FRAME, SUSPENSION, WHEELS & TIRES

1. Unibody cars (Camaro/nova etc.) may create frames to tie front and rear suspension together, must go from rear of front sub frame to front of rear suspension connection point only and no under-slung rear suspension. Front Leaf spring mounts must remain in stock location, and unmodified. Lowering block OK, Adjustable shackles OK. Shackle location may be modified. Sliders **NOT** allowed.
2. Cars with Trailing arms. (Metric / Chevelle etc.) Factory Frame mounts must be used, Adjustable trailing arm mounts OK. Trailing arms must be stock un modified. Coil Springs must mount in stock location on the frame and housing.
3. Heim joint shocks OK, but must mount in stock location, No weight jacking devices
4. 1-inch wheel spacers are allowed. Spindle savers are optional.
5. Non-adjustable aftermarket upper control arms are allowed.
6. One (1) inch lug nuts mandatory
7. No heavy lug, mud terrain or studded snow tires. P rated street legal tires or G60-15 tires allowed. No Dirt Bosses. Tires must not be any wider than 9-inch tread max. 8" wheel width max
8. No additional weight or ballast of any kind may be added anywhere on the car.
9. Brakes must function on all four wheels. No adjustable brake proportioning valves of any kind, shut off devices, or bias. Emergency brake cable must be cut or removed. Any non-functional brake will result in automatic disqualification.
10. All brake components including pedal, calipers, rotors, spindles, and drums must be stock. Stock replacement Aftermarket master cylinder allowed
11. Steering system related subcomponents must be stock. Steering shaft may be changed but it must be a collapsible type shaft. Aftermarket power steering pumps are allowed.
Steering quickeners allowed.
12. Front and rear bumpers are required and must be chained securely to the frame, rounded inward, or attached to fenders. No excessive reinforcement of the bumper (at discretion of track officials)

H. ANY INTERPRETATION or deviations of the rules is left to the discretion of the Officials