

RACEWAY PARK INC.

B-MOD RULES – 2008

- 1. SAFETY EQUIPMENT:** Rules apply at all times car is on track. Snell-rated SA95, SA2000 or SA2005 helmet required. Roll bar padding required in driver compartment (*Fire retardant recommended*). SFI-approved full fire suit required. Fire retardant neck brace, gloves and shoes required. Recommended: *Fire retardant head sock and underwear; head and neck restraints; collapsible steering shaft*. Driver-side window net required, minimum 16"x20" ribbon or mesh style, and must be mounted so latch is at top front of window. Minimum three-inch wide five point safety belt assembly required (Y-type shoulder harness not allowed), must be mounted securely to roll cage, recommended to be no more than one year old. Kill switch required within easy reach of driver and must be clearly marked 'OFF' and 'ON'.
- 2. FRAME:** OEM complete, 1964 or newer, perimeter American rear-wheel drive passenger car frame only. No sports car frames. Frame must be full and complete, cannot be widened or narrowed, and must be able to support roll cage on both sides, exceptions are: weight jack in original center line of spring tower allowed; frame may be cut a maximum 36 inches forward from center of rear end housing; horns may be removed in front of steering box; front crossmember may be notched and boxed for radiator and/or steering clearance; maximum seven inch wide opening in side of spring tower for spring removal. Maximum two inch wide by four inch tall frame stiffener may be welded directly to outside of left side frame rail. Minimum wheelbase 108 inches, maximum 112 inches, both sides. Maximum overall width (front or rear) shall not exceed 78 inches from outside of tire to outside of tire. For cars using OEM rear suspension design, rear of frame behind rear tires, from a point no further forward than one inch behind factory seam, may be replaced with two inch by three inch steel tubing with .095 inch wall thickness. No part of frame can be lower than four inches from ground except front crossmember.
- 3. ROLL CAGE:** Must consist of continuous hoops, minimum 1.75 inch O.D. tubing, with a minimum wall thickness of .095 inch for main cage, frame-mounted in at least six places, *low carbon recommended*. Must consist of a configuration of front, rear and top hoops connected by tubing on sides or side hoops. Driver's head must not protrude outside cage with helmet on. Roll cage must be securely supported and braced with minimum one cross bar in top halo. Foot protection bar required. Main cage no further forward than rear of engine. All bars forward of cage must be lower than hood. 1.660 TUBING IS ALLOWED.
- 4. DOOR BARS:** All driver side door bars and uprights must be minimum 1.5 inch O.D. and .083 inch wall thickness. Minimum three driver side door bars, parallel to ground and perpendicular to driver, and welded to front and rear of roll cage. Passenger side must have at least one cross door bar, horizontal or angled,

- minimum 1.25 inch O.D. and .083 inch wall thickness, and one top door bar, minimum 1.5 inch O.D. and .083 inch wall thickness. Steel door plate, 18 gauge or .049 inch minimum thickness, must be securely welded to outside of driver side door bars and cover area from top door bar to bottom door bar and from rear hoop down-post to five inches in front of seat. Must be visible for inspection. 1.660 TUBING IS ALLOWED.
5. **BODY:** (See diagram) Must be same width, front to rear, and parallel to OEM frame. Engine compartment must remain open (no side panels). Hood must be enclosed at rear. No panel in front of right door to engine compartment. No inner panels. No car covers. Must have front windshield and rear window support posts. Driver and passenger side windows must have at least 12 inch opening (height and width), measured at center of window, between lowest point at top of window, whether roof or roll cage, and highest point at bottom of window, whether interior or body. May use full windshield. Aluminum or fiberglass full size roof, rounded in all direction. No reflective doors or quarter panels. A mandatory five inch tall spoiler must be full width of rear deck.
 6. **DRIVER COMPARTMENT:** Must have minimum three windshield bars in front of driver. Lexan or aluminum cowl panel in front of driver can be no wider than cockpit and no farther back than steering wheel. Minimum .125" aluminum, or .060" steel, complete floor pan required. Full, high-back minimum .125" thick aluminum seat only. Seat must be bolted in next to left side frame rail and ahead of rear tires. Bottom of seat can be no lower than bottom of frame rail. Driver must be sealed off from track, driveline, engine, fuel cell, canisters and pumps. Oil coolers must not protrude above interior. Accumulators cannot be mounted between driver and left-side door bars. No driver-adjustable devices allowed while car is in competition except brake adjuster. No mirrors or reflective sun visors. All components must be steel.
 7. **FRONT SUSPENSION:** All components must be steel, unaltered OEM, in OEM location, and replaceable by OEM parts, exceptions are: tube-type upper A-frames with or without aluminum or steel cross shaft, and mounts can be moved; OEM replacement stamped steel lower A-frames; rubber, nylon or steel lower A-frame bushings, no offset or bearing type; welded or bolted shock mount on lower A-frame. Lower A-frames must be right and left, and of same design. Lower A-frame mounts and bolt holes on frame must be in OEM location. OEM ball joints only. Sway bar must be unaltered OEM.
 8. **STEERING:** No rack and pinion. All components must be steel, unaltered OEM, in OEM location, exceptions are: outer tie rod end and adjustment sleeve may be replaced by a minimum .625 inch steel rod end and steel tube; spindles can be ground for brake caliper clearance only; bolt on spindle savers allowed; steel steering shafts and knuckles only; steering quickener, steering wheel and quick release may be aluminum; cockpit steering may be modified, must be kept on left side. Spindles must be right and left, and of same design. Idler arm, pitman arm, and center link must match frame.

- 9. SHOCKS:** One steel shock per wheel only. Welded shock mounts only. No coil over, air, or remote reservoir shocks. No Schrader valves or gas refill ports. Front half of any shock may be shielded.
- 10. SPRINGS:** One steel coil or multi-leaf (rear) spring per wheel only. Minimum 4.5 inches O.D., non-progressive coils only. No torsion bars or air bags.
- 11. REAR SUSPENSION:** Three options: Aftermarket three link design, multi-leaf spring design or OEM design. All components must be steel. All mounts and brackets must be welded or bolted solid. 1.) Aftermarket three link design requirements: Must use steel upper weight jack. 2.) Multi-leaf spring design requirements: Must use steel multi-leaf springs with no additional suspension components besides one shock per wheel. Adjustable aluminum lowering blocks allowed. 3.) OEM stock design requirements: Rear crossmember, control arms cannot be altered in any way. Steel, rubber or nylon control arm bushings only. Must use steel upper weight jack. May use slider or coil-over. **NO 7 BAR SUSPENSION.**
- 12. REAR END:** Any steel approved OEM passenger car or truck non-cambered rear end (housing and carrier) allowed, must be centered in chassis. All components must be steel, except lowering blocks, axle cap, and drive flange. Safety hubs (floater) allowed. No quick change devices. No scalloped ring gear.
- 13. BUMPERS:** (See diagram) Steel bumpers must be on front and rear at all times and welded, or mounted with minimum .375 inch bolts. Must be minimum 1.25 inch O.D. tubing, .065 wall thickness on front - .095 wall thickness on rear. Two-bar front bumper must be mounted frame-end to frame-end, no wider than width of material outside frame horns and with bottom loop parallel to ground. Top bar must be directly above bottom bar, minimum 6.5 inches apart, measured center to center.
- 14. TIRES/WHEELS:** No re-caps. All wheels must be three or four inch backspace with wheel manufacturer decal. Grooved tires allowed. Bead lock on right rear only. External, steel bead lock only and it cannot make wheel any narrower than 8 inches and no wider than 8.75 inches. Must use only steel bolts. One foam type or plastic mud cap allowed on right rear only. Must use minimum one inch O.D. lug nuts. G-60 tires only. (Hoosier or McCreary)
- 15. BRAKES:** Must be steel approved OEM, operative four wheel, drum or disc. Must maintain minimum OEM dimensions for hubs/rotors and calipers, cannot be lightened. Bolt pattern may be changed. Larger studs allowed. Rear rotors may be aftermarket, minimum .810 inch thickness. Vented rotors only, no scalloped rotors. One proportioning device allowed (one-to-one ratio), front to rear only. Brake lines must be visible and must connect directly from master cylinder to calipers with no devices in between. Brake bias gauge allowed.
- 16. EXHAUST:** Round tube headers only. All primary header tubes must enter directly into one collector, at same point, at end of header. No exhaust sensors, cross-overs or balance tubes.

- 17. FUEL SYSTEM:** Racing fuel cell required, maximum 32 gallon capacity (12 gallon highly recommended), must be in minimum 18 gauge steel container. Cell must be securely mounted behind rear axle, between rear tires, minimum four inches ahead of bumper, minimum ten inches above ground. Must mount with minimum two solid steel straps around entire cell, two inches wide and .125 inch thick. All cell mounts must be steel, securely welded to frame/cage. Protective tubing must cover rear and extend past both sides of cell. No part of cell shall be lower than protective tubing. Fuel cell vents, including cap vent, must have check valves. Pick-up must be on top or right side of cell. Limit of one fuel filter. No cool cans. Mechanical OEM type push rod fuel pumps only. Holley - part no. 0-4412 only (may be modified to Holley HP Dorton specs only.) Float bowl must face forward. Carburetor adaptor plate and/or spacer and gasket must not exceed 1.25" inches. No four (4) barrel carburetors. No open top air cleaners.
- 18. FUEL:** Gasoline only, no ethanol. *Pump grade recommended.* No performance enhancing or scented additives. Fuel must pass both dielectric meter and chemical tests. Fuel sample may be taken from any car at any time. Penalty for illegal fuel is disqualification from event and \$250 fine for first offense.
- 19. WEIGHT:** Minimum weight limit of 2450 pounds after race with driver in car. NO TOLERANCE. Minimum weight limit of 2400 pounds for any car using unaltered OEM front suspension / steering components matching frame (may use OEM mounted aftermarket upper A-frame and inner spring adjuster). Weights must not be used in driver compartment or outside body. All weights must be securely mounted with at least two .5 inch bolts, painted white with car number on it. No titanium, magnesium, stainless steel or carbon fiber components. Solid steel fasteners only.
- 20. BATTERY/STARTER:** One conventional, wet-cell or dry cell passenger car 12 volt battery only, must be securely mounted between frame rails, and positive terminal must be covered. Starter must bolt on block in OEM location and directly engage flexplate/flywheel. Car must have capability of starting without being pushed or pulled. Car must leave initial staging area on demand, unaided, or go to rear of that race.
- 21. GAUGES/ELECTRONICS:** 12 volt ignition system only. HEI distributor only. Ignition rotor, cap, coil and module must remain OEM appearing. No ignition boxes, remote coil or accessories. Ford and Chrysler allowed remote coils only with stock ignition box. All wiring must be visible for inspection. No electronic traction control devices or digital tach.
- 22. TRANSMISSION/DRIVE SHAFT:** Must have one forward gear and one reverse gear. Stock clutch, mini clutch, and OEM automatic allowed. Must use explosive-proof steel bell housing or scatter shield with one hole for throw out bearing lever or hose, must be 270 degrees around top of clutch and flywheel/flexplate area. Hydraulic clutch pedal allowed. **MANUAL:** Three or four speed, OEM production case. These components must rotate consistent with engine RPM, while car is in any gear.
Drive Shaft: Minimum two inch diameter, white, steel drive shaft. Steel slip-

yokes only. 360-degree drive shaft loop required and must be constructed of at least .25 inch by two inch steel, or one inch tubing, mounted six inches back from front U-joint.

23. ENGINE COMPARTMENT: Rear of engine (bellhousing flange) must be mounted at least 72 inches forward from centerline of rear axle. Engine offset must be kept within two inches of centerline of front crossmember with engine level. Minimum 11 inch engine height from ground to center of crankshaft. V-belt aluminum or steel pulleys only. Copper/brass or aluminum radiator only and must be mounted in front of engine.

24. ENGINE OPTIONS AND SPECIFICATIONS:

All engines must be able to be used in conventional passenger car without alterations. External engine casting and threaded holes cannot be altered. Must use OEM steel GM, Ford or Chrysler block and heads. No Ford SVO or Chrysler W components allowed. Only GM block numbers allowed are: 3892657, 3914678, 3932388, 3932386, 3956618, 3970000, 3970006, 3970010, 3970014, 10066033, 10066036, 14010207, 14010209, 14010287, 14016376, 14016379, 10054727, 14088528, 14088548, 14088552, 14093638, 14101148. Stroke must match block. Maximum .60 inch overbore. Maximum 361 c.i (GM); 363 c.i. (Ford); 370 c.i. (Chrysler), to be checked with pump, or by visual inspection of part and/or casting numbers, pistons, etc. Maximum 9 to 1 compression ratio, no tolerance, checked with a Whistler. Flat top or dished pistons only, no gas-ported pistons. OEM type steel crankshaft and rods only. Conventional flat tappet cam and lifters only, cannot alter lifter bores. OEM firing order cannot be changed. May use oil restrictors. 'Wet' sump oiling system only.

Only GM approved head numbers are - 14079267, 3986336, 3986339, 3986339X, 3986388, 3932441, 376445, 3928454, 3932454, 3876487, 3973487, 3973487X, 3973493, 3951598, 468624, 330862, 333882, 3998920, 3998991, 3998993, 3998997, 3970126. Maximum size valves on these heads are 2.02 inch intake and 1.60 inch exhaust. Only alterations allowed to heads are pinned or screw-in rocker arm studs and guide plates. Roller tip rockers allowed. No stud girdles allowed. No porting polishing or blending anywhere on heads or intake. Intake manifold must be unaltered cast iron, two- or four-barrel only. OEM type unaltered harmonic balancer only. OEM type steel or aluminum water pumps only.

2500 pounds – crate motor with 4 barrel. 2400 pounds with 4412 carburetor. 5 inch spoiler allowed. No IMCA decals or markings required on anything.

NO CLAIM OF ANY KIND ON ANYTHING!!

IF FOUND ILLEGAL, YOU ARE DISQUALIFIED FOR THE NIGHT! YOU MUST BE IN COMPLIANCE THE NEXT WEEK AND START IN THE BACK OF THE NEXT RACE. NO FINES!

Decisions of officials are final and binding without exception. Any rule change or clarifications during the course of the year will be published at www.racewayparkinc.com and will be considered as an official part of the rules.