

CAMDEN SPEEDWAY E-MOD RULES | 2017

ALL GENERAL RULES APPLY FOR THIS CLASS: **2017 CHANGES IN YELLOW**

Raceceivers are mandatory!!

THE SPIRIT AND INTENT of this class and RULES are to keep the cost of RACING A E-Mod down.

Weight: OEM Engine, weight **minimum of two-thousand four-hundred fifty (2,450) pounds.**

602 Crate Engine weight minimum of **two-thousand four-hundred (2,400) pounds.**
Non OEM Transmission Additional 50 lb's and must be mounted in front of midplate

We will use 2016 USRA B-Modified Body Specifications only except for:

BODY: Rake deck must remain level side to side, max rake from front of deck to rear of deck 6 inches.

ROOF: Minimum height to top of roof is 42" (forty-two in) with a maximum height not exceeding 52" (fifty-two in).

BODY WIDTH : Max 68" width car– no tolerance.

HOOD: – Max 2" Lip/fin on nose – not to extend farther than the leading edge of head. No other lips, fins, or wings allowed. No portion of the nose piece is to extend past the front bumper and must be at least 7" from the ground. No belly pans or tunneling inside of body or under the car.

SPOILERS: The max height shall be five (5) inches. Spoiler may not exceed the width of the rear deck. Side supports may be 20" in length and 7" tall.

REAR PANELS: are optional.

FRAME: 1960 or newer OEM 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 and notched maximum one inch at bottom for tie rod clearance; 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 shall not exceed 78 inches from outside of tire to outside of tire. No part of frame can be lower than four inches from ground except front crossmember.

TRANSMISSION: Any OEM 3 or 4 speed. Any clutch & pressure plate. Automatic must have working 10" torque converter minimum. Quartermaster is okay. BERT, BRINN, FALCON transmissions ARE permitted. 50 lbs weight penalty added to weight and must be mounted in front of midplate. 25lbs each side of engine. NO BALL SPLINE transmissions, No straight drives, Must have block mounted starter.

WHEELS: 8 inch steel wheels width. A steel or aluminum bead lock may be used on the right side only, and may be mounted on the outside of the wheel so long as it does not add over three-quarters (3/4) of an inch to the overall width of the wheel.

TIRES: D.O.T 275/60R15. IMCA G60 MODIFIED pull offs, Hoosier G60-15 or American Racer KK704 REAR Tires must punch – 50 anytime. Softening or Solvents of any kind are not allowed. Altering tires with any components or chemicals which alter the manufacturer's baseline-settings of the tire is not allowed. Grooving and/or siping is permitted. All sidewall markings must remain visible at all times. Buffing or removing of the compound designations is not allowed.

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SHOCKS:(\$100 per SHOCK BUY RULE)

- One shock per wheel only.
- Steel non-adjustable shocks only.
- No Canister or shradar valve shocks.
- Threaded coil over shocks not allowed.

CARBURETOR:

OEM Cast engines one 500 CFM 2 barrel carburetor. The bottom of the carburetor throttle bore maximum can be no larger than (1 11/16") in diameter. With stock venturi max (1 3/8") (Measured with go/no-go gauge) 1" inch adapter plate or spacer under carburetor allowed. Removal of choke plate or tower allowed. Manual fuel pumps only.

602 Crate may utilize one (1) Holley 4-barrel carburetor. Use of a spacer between carburetor and intake is optional, but spacer may be no more than one (1) inch thick and may not be throttle bore adjustable. Aerosol carburetor are not permitted.

FUEL SYSTEM: Mechanical fuel pump only, cam driven, no electric pump. Fuel cell required, max 32 gallon capacity, must be in minimum 20 gauge steel. Gasoline, Racing fuel allowed. NO performance additives. **NO E-85**

REAR SUSPENSION:

- No floating birdcages allowed,
- No brake floaters allowed.
- All suspension points must mount directly to the rear end. (NO Floating suspension parts)
- Suspension or rear-end parts, including jack bolts and mounting brackets, must be made of steel.
- Steel or aluminum coil-over eliminators/kits allowed.

THREE LINK DESIGN:

- One lower control arm per side must be the same length with 1" tolerance.
- Must use one upper control arm, pull bar or lift arm.
- Must be minimum 19" Panhard or J Bar only, **measuring center of Hemi to center of Hemi**
- Spring sliders permitted.

LEAF SPRING DESIGN:

- Steel Mono or multi leaf springs allowed,
- No fiberglass/carbon fiber springs permitted.
- Coil springs must mount centered on top of rear end housing.
- Adjustable aluminum lowering blocks allowed,
- Pull bar or Lift arm permitted.
- No Panhard or J Bar.

OEM FOUR LINK DESIGN (GM METRIC REAR):

- Upper control arm mounts must be minimum 22" separation on frame.
- Upper control arms must mount on top of differential housing on rear end.
- One lower control arm per side, 15" minimum, 22" maximum.
- No Panhard or J Bar.
- No Pull bar or Lift arm.
- Spring Sliders permitted.

REAR END:

- Any steel OEM passenger car or truck non-cambered rear end (housing and carrier) allowed.
- Safety hubs (floater rear end) allowed.
- All components must be steel, except lowering blocks.
- Full steel spool, steel mini spool or welded rear ends only. Must be locked rear end.
- Steel axles only.
- No quick change rear ends.
- No torque dividing differentials.

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ENGINE SPECIFICATIONS: May be OEM cast iron block or crate GM 602 NO STROKERS ALLOWED.

CRATE: Performance parts 602 crate engine (part #88958602 or #19258602) All engines are sealed from the factory and such seals may not be removed, touched, modified or broken. All engines and components must be in their original form as delivered from the factory. Any changes to the factory sealed delivered configuration and assembly will result in disqualification and no points awarded. No upgrades are allowed to any engine. Any part of a sealing bolt that has been tampered with and or removed will result in a \$1000 fine, loss of points for the year, loss of winnings for the night. This is considered to be a serious offense and will be treated as such. No changes are allowed to the engine - intake manifold, heads, valve covers, front cover, oil pan, harmonic balancer or any other part / or parts on / or in engine. **may utilize one (1) Holley 4-barrel carburetor. Use of a spacer between carburetor and intake is optional, but spacer may be no more than one (1) inch thick and may not be throttle bore adjustable. Aerosol carburetor are not permitted.**

COMPRESSION NOT TO EXCEED 175 LBS. OR 15 INCHES OF VACUUM AT 1000 R.P.M.

OEM cast iron: 362 cubic inches max. Max cylinder boar allowed is 4.060". No stroking or destroking allowed. Stroke must be GM 3.480, Ford 3.500. Stock appearing / 3/8 bolt 5.7 length rod. Dished or flat top 2 or 4 valve relief pistons allowed. Pistons must stay flush with or below top of the block. Factory passenger production heads only, no dart, no boetie, or aluminum heads allowed. No angle plugs or performance heads. MAX valve 2.02. Poly locks permitted. No polishing, porting or match porting anywhere, no milling inside chambers, each chamber must have a 55 cc minimum volume. Stock ratio rockers with stock diameter pushrods(roller rockers allowed). Any intake, Headers or manifolds allowed. No 180 degree headers or Tri-Y headers. Hydraulic cam and lifters only, No roller Cam's. Balancing of engine is permitted. Screw in studs or pinned studs allowed, guide plates allowed. One radiator in stock position and no extra storage. Factory forged cast-iron or steel crankshaft with OEM factory casting numbers. No knifing. 50 lb. minimum weight. Must run gasoline or racefuel. **No alcohol, NO E-85.**

IGNITION: Stock style distributor, May hook a RPM limiter, Stock style HEI ignition OK. NO mags, or MSD allowed.

NOTE ALL ENGINES ARE REQUIRED TO HAVE AN ACCESSIBLE MANIFOLD VACUUM PORT AND A TACHOMETER WIRE CONNECTION. IF NONE DRIVER OR MECHANIC WILL BE REQUIRED TO REMOVE A PLUG FOR COMPRESSION TEST. IF NOT BE DISQUALIFIED.

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