

EAST  
MOTOR  
2018 EAMS LATE MODEL SPORTSMAN TECHNICAL  
RULES



ALABAMA  
SPEEDWAY

\*\*Rules new for 2018 will be highlighted in BLUE.

\*\*Last updated o 2-22- 18.

WEIGHT:

- A. 2400lbs. with driver.
- B. 2450lbs. with driver & Rebuilt 602. Must have EAMS or Crate Racin' USA seals. No engine claim.
- C. All cars must have weight posted on right side of roof. *NOTE: 50 lbs. weight break for head and neck restraint and/or full containment seat.*

ENGINE:

- A. FACTORY STOCK 602 GM sealed Crate Engine; Engine must have factory GM seals. Any tampering above the seal bolts will result in a 30day suspension from EAMS. Any Tampering inside the sealing system will result in a 1year suspension from EAMS, and engine will be confiscated. 602 Assemble height must be no less than 1.70" if shims have been added.

ENGINE CLAIM :

- A. Engine may be claimed for current price of new engine plus \$200 with \$100 going to driver and \$100 going to track. The fee must be paid in cash to the tech inspector.
- B. The claim must be made within 10 minutes of the completion of the race.
- C. Only the top three drivers finishing a race may claim a crate engine.
- D. The driver having their engine claimed must finish the race ahead of the driver claiming the engine.
- E. A driver can only claim one engine per event.
- F. Not included in the claim will be carburetor, water pump & pulleys, water neck, motor mounts, fuel pump, fuel pump rod & cover and flywheel assembly.
- G. A claim will not be accepted should officials determine that the claim is made on someone else's behalf or the fee is from more than one party.
- H. Failure to pull a claimed engine will result in the driver forfeiting all money for the event. The driver will be required to pay a fine before they are allowed to compete again.

CARBURETOR:

- A. Any 4-barrel carburetor.

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- B. Engine must be naturally aspirated.
- C. 1" carburetor spacer allowed.

**FUEL SYSTEM:**

- A. Stock type fuel pumps Carter M4891 or equivalent ONLY mounted in stock location. Belt driven Powersteering/Fuel pump OK. No electric pumps permitted.
- B. Gasoline or Racing Gas Only. NO VP CHP, NO ALCOHOL, NO NITROUS OXIDE, NO E85.

**IGNITION SYSTEM:**

- A. Any Electronic Ignition System, MSD or HEI.
- B. NO magnetos.
- C. NO traction control.

**EXHAUST SYSTEM:**

- A. Collector type headers ONLY. NO 180, zoomies, Tri-Y or merged collector headers.

**TRANSMISSION:**

- A. Standard 4 speed or automatic transmission. After market SAFETY bell housing and automatic cases permitted. B. Bert or Brinn Transmission allowed.
- C. Transmissions must have 2 working forward and a reverse gear.
- D. NO Tex, Jerico, or quick change transmissions.
- E. Ball spline transmission's Mandatory to run a carbon fiber drive shaft. This is a safety requirement.

**REAR END :**

- A. Standard quick change rear end permitted. No Titanium or exotic material axles, spools, gears, or other materials inside rear end.

**ENGINE POSITION:**

- A. 6 ½" from center of ball joint to #1 spark plug, ½" tolerance. 50lb weight penalty for every ½" out of tolerance mounted in front of water pump.

**FRAME:**

- A. 103" wheelbase minimum, 1" tolerance.

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- B. Any Late Model Chassis allowed, Square tube or Round tube. NO aluminum frames, square tube frames must be a minimum of 2"x 2" tubing, round tube must be a minimum of 1 3/4" tubing. Full racing roll cage mandatory, 1 1/2 OD x .090 steel tubing minimum.
- C. Stock front clip cars allowed with stock 602 engine only.

SUSPENSION:

- A. Standard Late Model Suspensions Only. No Spring Loaded or Shock Type 4 Bar Rods. Only Standard Solid Bar 4 Bar Rods. No Torsion Bar Front or Rear Suspension.
- B. Standard One Piece Bird Cages; No Split Bird Cages
- C. May run 1 of the following rear suspensions, 5th coil or torque link, NOT both.
- D. One(1) Coil Spring Per Wheel. One(1) Take Up Spring and Slider Per Wheel Including 5<sup>th</sup> Coil. No Bumpstops or Bumpsprings allowed on Any Corner Except RF. May Run Any Bumpstop on RF(Shims, Washers, and/or Spacers OK). No Stack Springs on Any Corner Including 5<sup>th</sup> Coil . No Progressive Springs. No Spring Rubbers.

SHOCKS:

- A. One(1) working shock per wheel except left rear(LRF OK). One(1) 5<sup>th</sup> Coil Shock Only. NO single adjustable or double adjustable shocks allowed. NO canister style or remote adjustable shocks permitted. NO externally adjustable shocks. Schrader Valve Shocks OK. NO Internal Bumpstops. NO Air Shocks or Spring Cages Allowed. No "Thru Rod" or Inerter Shocks.
- B. One(1) 90/10 shock allowed to be mounted on top of rear end.

BODY:

- A. NeSmith Crate Racin USA body rules apply.
- B. Light tube bracing behind bumpers. NO pipes or push bars in front of bumpers.
- C. Spoiler 4" maximum height, 8" maximum height on side supports.
- D. Must have front and rear tow hooks.
- E. All Body Panels Must Be Solid, No Holes, Slots or Air Gaps.

WHEELS AND TIRES:

- A. Any Wheel, 14" maximum width. Beadlock permitted any position.
- B. Wide 5 wheels and adapters permitted.
- C. Track tire Crate 21, Spec 1350 or Crate 55 Hoosier Racing Tires only. Open 1350 add 25lbs.
- D. No inner liners.

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- E. No tire softeners permitted. Tires will be subject to lab testing at any time to determine legality.
- F. Tires available at the track on race night or call 334-297-2594 during the week.

*[NOTE: Tires must conform to benchmark when tested. No alteration of any kind is permitted.](#)*

**SAFETY:**

- A. All cars must meet the safety requirements as outlined in Section D of General Track Rules for all divisions.

**PROTEST:**

- A. Visual protest \$25 - \$25 will be retained by track.
- B. Fuel protest \$50 - \$50 will be retained by track.
- C. Valve spring & assemble height protest \$100 - \$50 will be retained by track. 602 Assemble height must be no less than 1.70" if shims have been added.
- D. 602 Rebuilt Crate Engine: Top End \$450 - track retains \$100. Top & Bottom End \$900 - track retains \$100. Crate engine camshaft will be checked only if bottom end is protested.
- E. *Tire protest \$250 (per tire) - \$250 will be retained by track. Must finish in the top 3 to protest.*