

EAST ALABAMA MOTOR SPEEDWAY

2012 LIMITED SPORTSMAN TECHNICAL RULES

Rules new for 2012 will be highlighted in **Blue.

Please note that rule changes or corrections during the season will be in **Red.

****Last updated on 5-2-12.**

This division is open to any American manufactured automobile. NO convertibles, station wagons or trucks.

WEIGHT:

- A. Built Motor 2750lbs with driver.
- B. 604 Crate Engine 2650lbs with driver.
- C. 602 Crate Engine **2500lbs** with driver.
- D. Jig Frame 602 Crate Engine 2600lbs with driver.
- E. All cars must have weight posted on right side of roof.
- F. All GM crate engines must have factory GM seals, GM/RM seals, EAMS or Crate USA seals. Any tampering above the seal bolts will result in a 30 day suspension from EAMS. Any tampering inside the sealing system will result in a 1 year suspension from EAMS, and engine will be confiscated.

ENGINE:

- A. ONLY standard factory street production V-8 or V-6 engines allowed. 362 cubic inches maximum on small blocks and must utilize stock bore and stroke combinations. 374 cubic inches maximum on Chrysler. Unlimited cubic inches on large blocks must remain stock bore and stroke, .060ths maximum overbore.
- B. Blocks may be surfaced, and pistons may not exceed top of block more than .010ths measured without head gasket. Ford and Chryslers may run dome pistons when using stock factory production cylinder heads with stock size valves ONLY when using World heads must use 2 valve relief flat top pistons ONLY.
- C. Engine balancing permitted.
- D. Timing chains ONLY, no belt or gear drives.
- E. NO dry sump oiling systems permitted. Any wet sump racing oil pan permitted.

CRANKSHAFT:

- A. All crankshafts must be factory steel or cast iron crankshafts with casting numbers plainly visible. OEM replacement eagle, scat or howards track smart crankshaft, NO knife edging or excessive lightening... 48 lbs minimum weight. All cranks must remain stock stroke to make and model of engine. 2" minimum rod pin diameter. Example, 350 Chevrolet 3.48" stroke.

CONNECTING RODS:

- A. Any sportsman steel connecting rod allowed. MUST remain stock length, Example 350 Chevrolet must be 5.7" long. 6" rods are NOT permitted. Eagle H-beam rod permitted, NO other H-beams allowed.
- B. NO titanium, aluminum, or any other exotic material permitted.

PISTONS:

- A. Flat top 2 or 4 valve relief pistons ONLY. Ford must use these pistons when using the World Product Windsor Sr. heads. Ford and Chrysler may use dome piston when using stock factory production heads, with stock size valves ONLY.

CAMSHAFT & LIFTERS:

- A. Any flat tappet camshaft permitted. NO roller camshafts permitted.
- B. Lifters must remain stock diameter, NO Ceramic Foot Lifters, Example, Chevrolet .842".

CYLINDER HEADS:

- A. Any factory production steel head allowed. 062 or 906 GM Vortec Heads allowed with intake runner 175cc max. exhaust runner 64cc max. [Racing Head Service Vortec replacement #12407 or #12410](#) allowed. [RHS heads can be purchased at ASA Performance 706-478-9560](#). World products 4360 & 4361, and Windsor SR. heads permitted.
- B. [Bowtie Phase II & III heads allowed 50lb penalty maximum 2.02" intake and 1.65" exhaust valves.](#)
- C. NO Bowtie/Vortec, Dart, SVO N series or aluminum heads (except 604 crate motors.)
- D. Chevrolet's 2.02" maximum diameter on intake valves and 1.65" maximum diameter on exhaust. Ford Windsor Sr. OK. All other makes must use stock sized.
- E. NO porting, polishing, squaring, or epoxying of ports.
- F. Multi-angled valve jobs permitted. Angle milling permitted.
- G. Any valve retainer, and any spring permitted.
- H. NO shaft mounted rocker systems permitted. All others permitted.

INTAKE:

- A. Aluminum or cast iron intakes allowed.
- B. NO porting, polishing, squaring, or epoxying inside runners or plenum.
- C. 1" spacer allowed between intake and carburetor. 602 crate engine may run 2" spacer.

CARBURETOR:

- A. One dual line Holley 750 cfm maximum. Or EAMS spec carb. Ok. Carbs checked with no-go gauges. No porting or polishing of venturers, boosters or throttle bores.
- B. Air horn may be removed, if not choke butterfly must be removed.
- C. May drill idle holes in primary butterflies.
- D. No gold claw, silver claw, or demon carbs.
- E. [Crate motors may use One dual line Holley 650 CFM maximum. Holley HP 80541 ONLY, NO aftermarket makes or parts, must have all Holley numbering system or EAMS Spec Crate carburetor allowed.](#)
- F. Checked with go-no-go gauges.

FUEL SYSTEM:

- A. Stock type fuel pumps ONLY mounted in stock location. NO belt driven or electric pumps permitted.
- B. Fuel must not check above +-5 on electric fuel checker when calibrated with EAMS track racing fuel.
- C. Sunoco racing fuel available at track.
- D. NO VP CHP, NO ALCOHOL, NO NITROUS OXIDE, GAS ONLY.

IGNITION SYSTEM:

- A. Any type electronic or breaker type ignition system permitted.
- B. NO magnetos.
- C. [NO traction control.](#)

EXHAUST SYSTEM:

- A. Collector type headers ONLY. NO zoomies or Tri-Y headers.

TRANSMISSION:

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

CLUTCH:

- A. Multi-disc clutch assembly allowed. No aluminum flywheels.
- B. All cars must have a workable clutch.

ENGINE POSITION:

- A. 1" from center of jack bolt to #1 spark plug, NO Tolerance.

FRAME:

- A. 104" wheelbase minimum, 1" tolerance.
- B. Uni-body chassis may be connected .
- C. Frame and body do not have to be same make and model. Engine interchange permitted.
- D. Frame must be stock from front clip and have a minimum of 2" x 2", or 1 1/2"x .090 Round steel tubing from end of original front sub clip to rear bumper. Must use stock lower control arms mounted in stock locations.

FRONT SUSPENSION:

- A. Jack screws permitted.
- B. Tubular upper control arms permitted.
- C. 5" coil springs minimum mounted in stock location.
- D. Racing shocks permitted.
- E. One working shock per wheel except left rear. NO Single adjustable, or double adjustable shocks allowed. NO canister style or remote adjustable shocks permitted. NO externally adjustable shocks.
- F. NO rack & pinion steering allowed. Stock type steering systems ONLY.
- G. Safety spindles permitted. 1/2" wheel studs minimum 1" lug nuts mandatory.

REAR SUSPENSION:

- A. Jack screws permitted.
- B. Stock type, or Quick Change rear ends permitted.
- C. Torque links or rubber snubber bar OK, 24" maximum length mount to mount, 5th coils or lift bars OK, must be one or the other, not both.
- D. Any type trailing arms or leaf springs.
- E. One working shock per wheel except left rear. NO Single adjustable, or double adjustable shocks allowed. NO canister style or remote adjustable shocks permitted. NO externally adjustable shocks.
- F. Safety spindles permitted. 1/2" wheel studs minimum 1" lug nuts mandatory.

BODY:

- A. Aluminum or fiberglass bodies allowed. All bodies must have stock appearing nose pieces. NO wedge bodies.
- B. 76" maximum width front to rear. Quarter panels must be 45" long maximum with a maximum height of 36". All Body Panels Must Be Solid, No Holes, Slots Or Air Gaps. Left Side: Quarter Panels Must Extend Downward From The Deck A Minimum Of 32" And A Maximum Of 36" Including Plastic. Measured At The Front And Rear Of The Quarter Panel. Right Side: Quarter Panels Must Be Straight In Line With The Door Or Taper In A Maximum Of 1".
- C. Light tube bracing behind bumpers. NO pipes, or push bars in front of bumpers.
- D. 72" maximum width of spoiler, 8" maximum height, 8" maximum width on side pods.
- E. Crate motor 10" spoiler permitted, 10" maximum height, 18" maximum width on spoiler supports.
- F. Must have front and rear tow hooks.

WHEELS AND TIRES:

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

- E. No tire softeners permitted. Tires will be subject to durometer hardness test at any time to determine legality.

SAFETY:

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

PROTEST:

- A. Top End - \$300 Built Motor - \$400 Crate Engine. \$50 will be retained by track.
- B. Bottom End - \$300 Built Motor - \$400 Crate Engine. \$50 will be retained by track.
- C. Must protest Top End to protest Bottom End.
- D. Visual protest \$25 - \$25 will be retained by track.

Full Jig Limited Sportsman

Full Jig Frames may compete in the Limited Sportsman Division on a weekly basis, under the below engine and chassis package ONLY.

WEIGHT:

- A. 2600lb. With Driver. **NOTE:** Weight may be adjusted as season progresses in the interest of fair competition to everyone.
- B. All cars must have weight posted on right side of roof.

ENGINE:

- A. ONLY standard factory 602 GM sealed Crate Engines, Engines must have factory GM seals, GM/RM seals, EAMS or Crate USA seals to be eligible for competition. Engines must comply to GM build and rebuild specifications. Any tampering above the seal bolts will result in a 30 day suspension from EAMS. Any Tampering inside the sealing system will result in a 1 year suspension from EAMS, and engine will be confiscated.

CARBURETOR:

- A. One dual line Holley 650 CFM maximum. Holley HP 80541 ONLY, NO aftermarket makes or parts, Must have all Holley numbering system. EAMS Spec Crate carburetor allowed.
- B. 1" Carburetor Spacer ONLY, allowed with this chassis package.
- C. No Porting or Polishing of Carburetor, Checked with GO-NO GO gauges.

FUEL SYSTEM:

- A. Stock type fuel pumps ONLY mounted in stock location. NO belt driven or electric pumps permitted.
- B. Fuel must check + or -5 on electric fuel checker when calibrated with EAMS track racing fuel.
- C. Sunoco racing fuel available at track.
- D. NO VP CHP, NO ALCOHOL, NO NITROUS OXIDE, GAS ONLY.

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 zoomies or Tri-Y headers.

TRANSMISSION:

- A. Standard 4 speed or automatic transmission. After market SAFETY bell housing and automatic cases permitted.
- B. Bert or Brinn Transmission OK.
- C. Transmissions must have 2 working forward and a reverse gear.
- D. NO Tex, Jerico, or quick change transmissions.
- E. Ballspline 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 1/2" from center of ball joint to #1 spark plug, 1/2" tolerance. 50lb weight penalty for every 1/2" out of tolerance mounted in front of water pump.

FRAME:

- A. 103" wheelbase minimum, 1" tolerance.
- B. Any Late Model Chassis allowed, Square tube or Round tube. NO aluminum frames or front clips on chassis, 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. One working shock per wheel except left rear. NO Single adjustable, or double adjustable shocks allowed. NO canister style or remote adjustable shocks permitted. NO externally adjustable shocks.
- D. May run 1 of the following rear suspensions, 5th coil or torque link, NOT both. 1 90/10 shocks allowed to be mounted top of rear end.

BODY:

- A. S.A.S.. World of Outlaw, Crate Racin USA, Fastrak, or NLMS Body rules apply.
- B. 8" Spoiler Maximum with 8" spoiler supports maximum, must meet above rules.
- C. All Body Panels Must Be Solid, No Holes, Slots Or Air Gaps. Left Side: Quarter Panels Must Extend Downward From The Deck A Minimum Of 32" And A Maximum Of 36" Including Plastic. Measured At The Front And Rear Of The Quarter Panel. Right Side: Quarter Panels Must Be Straight In Line With The Door Or Taper In A Maximum Of 1".

WHEELS AND TIRES:

- A. Any Wheel, 14" maximum width. Beadlock permitted any position.
- B. Wide 5 wheels and adapters permitted.
- C. Track tire Spec/Crate 21, Spec 1350 or Spec/Crate 55 Hoosier Racing Tires only.
- D. No inner liners.
- E. No tire softeners permitted. Tires will be subject to durometer hardness test at any time to determine legality.

SAFETY:

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

PROTEST:

- A. Top End - \$300 Built Motor - \$400 Crate Engine. \$50 will be retained by track.
- B. Bottom End - \$300 Built Motor - \$400 Crate Engine. \$50 will be retained by track.
- C. Must protest Top End to protest Bottom End.
- D. Visual protest \$25 - \$25 will be retained by track.
- E. Crate motors may be protested.