

# EAST ALABAMA MOTOR SPEEDWAY

## 2012 ROAD WARRIOR 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 3-5-12.

This is a beginner class! If you have raced before please call the speedway office for approval.

Attention Racers: All cars and components must be completely stock unless otherwise stated in the rules below. If it is not mentioned or specified below it is NOT a gray area to play in. If it does not say you can do it below then you better not do it.

### CARS ALLOWED:

A. Any full bodied, and full frame sedan, example, Monte Carlo, standard or Metric Frame allowed. NO GT type cars.

### WEIGHT:

A. 3400lb with driver.

B. Cars with 112" and longer wheelbase deduct 100lbs.

### ENGINE:

A. 350 cubic inch Chevrolet 2 or 4 bolt main block allowed, 351W cubic inch Ford, 360 cubic inch Chrysler. .060" over bore permitted. No Performance Decking Block, piston must remain .020" minimum deck to piston clearance at all times, any hole any corner.

B. No performance decking block, piston must remain .020" minimum deck to piston clearance at all times any hole any corner.

C. Steel Economy racing oil pan permitted. Champ Part# CHACP55 Allowed. No oil scrapers or windage trays allowed.

### CRANKSHAFT:

A. Stock stroke cast iron crankshafts ONLY, stock GM, Eagle, or Scat stock replacement crank allowed 52lb minimum.

### CONNECTING RODS:

A. Stock length stock type, cast or powder forged I-beam rods Only, with 3/8 rod bolts.

### PISTONS:

A. 4 eyebrow, cast or hypereutectic pistons only, with stock size rings, NO Performance pistons allowed, NO gas porting of pistons. NO modifying piston in any way.

### CAMSHAFT & LIFTERS:

A. Flat tappet hydraulic camshafts ONLY. No Roller or Hyd. Roller cams. Stock diameter lifters to make of engine, ex. Chev. .842". Wire clip lifters only, no snap ring lifters.

B. Chev. Max lift .425" 252 degrees duration Max, 110 degree lobe center minimum. Chrysler Max lift .425", 252 degrees duration Max, 110 lobe center minimum. Ford Max lift .433", 252 degrees max. Specs apply to all lobes. ONLY aftermarket cam shafts allowed, COMP Cams Chev. Part# 12-205-2, Ford part# 35-215-3, Chrysler part# 20-208-2.

C. Stock Type Timing chains ONLY. No Double Roller chains, No Adjustable Timing gears, NO multi key way timing sets. Straight up timing sets only.

### CYLINDER HEADS:

- A. Factory production OPEN Chamber cast iron heads only. 70cc combustion chamber minimum. NO closed chamber or performance heads allowed. NO Porting or polishing allowed.
- B. Stock steel valves only, Stock sizes for make of engine. Example Chev.1.94" Intake maximum, 1.5" exhaust maximum. NO stainless steel or performance valves.
- C. Racing valve job permitted bottom angle No deeper than top of guide. Must be symmetrical, angles must be round.
- D. Guide liners OK.
- E. Stock diameter valve springs only. Steel retainers, and keepers only.
- F. Stock studs only, may be pinned. Stock stamped steel rockers only, long slot rockers ok. NO roller or roller tip rockers.

### INTAKE:

- A. Stock Street production cast iron intakes ONLY! NO Bowtie intakes.
- B. 1" Carburetor adapter allowed, with .060" thick standard gaskets.

### CARBURETOR:

- A. Holley 1850 or EAMS Spec 1850 ONLY, 600 cfm maximum, Vacuum Secondary ONLY, NO porting or polishing, check with go-no go gauges.
- B. No spacers allowed.

### FUEL SYSTEM:

- A. Stock mount and stock replacement fuel pumps only. Carter M4891 allowed. NO Racing fuel pumps.
- B. Pump gas or racing fuel allowed.
- C. Fuel must not check above +-5 on electric fuel checker when calibrated with EAMS track racing fuel.
- D. Sunoco racing fuel available at track.
- E. NO VP CHP, NO ALCOHOL, NO NITROUS OXIDE, GAS ONLY.
- F. Safety Fuel cell Mandatory, enclose in steel case, with minimum 2 steel safety straps for mounting. Must be securely mounted, and safely mounted in trunk area. If fuel line passes through driver cockpit it must be enclosed in steel conduit from rear firewall to front firewall. See safety rules for further instruction.
- G. May cut hole in trunk floor pan to mount fuel cell only.

### IGNITION SYSTEM:

- A. Stock ignition systems ONLY. NO performance ignition systems.

### COOLING SYSTEM:

- A. Heavy duty aftermarket or aluminum radiator allowed, 4 or 6 blade fan mandatory. No Clutch fans.
- B. Cast Iron stock type water pumps only, No Aluminum pumps. Aluminum pulleys OK.

### EXHAUST SYSTEM:

- A. Exhaust Manifolds ONLY, NO headers. NO porting or grinding inside exhaust manifold.
- B. Must have exhaust pipes to divert exhaust away from driver's cock pit.

### TRANSMISSION, REAR ENDS & CLUTCH:

- A. Stock production manual or automatic transmission only!
- B. Stock flywheel 11" diameter minimum, 20lb minimum flywheel, 16lb minimum clutch and pressure plate.
- C. Automatic must have stock torque converter, no dump valve.
- D. \$150 claim flywheel & clutch, \$150 claim manual transmission, \$150 claim automatic transmission & torque converter.

### CHASSIS:

- A. All Factory stock components for make of car being raced. Stock rubber motor mounts may be replaced with stock solid motor mounts. Engine must be mounted in stock location. Stock Steering, Stock Braking, Stock Rear End to make of car. GM car must run GM rearend.
- B. Stock type aftermarket springs allowed, NO weight jacks, NO hidden weight jacks or ride height adjusters.
- C. Stock type stock mount shocks only.
- D. Stock power steering pumps, and steering components.
- E. Cars with 112" and longer wheelbase deduct 100lbs.

### BODY:

- A. Full Stock factory steel bodies only, from bumper to bumper. Plastic stock appearing bumper cover allowed on front.
- B. NO Hulling of roof, hood, drivers compartment (except for roll cage clearance on both doors ONLY), or trunk area. Front inner fender wells may be removed. Excessive hulling will result in excessive weight penalty, do it right the first time. Drivers cockpit must remain open, NO closing or tunneling.
- C. All glass, and external glass plastic lighting must be removed. Doors must be securely welded, or Bolted Shut.
- D. Dash may be replaced with sheet metal, steering column may be stock or aftermarket steering shaft is optional, may use aftermarket steering wheel with quick disconnect.
- E. Full fire wall, floor pan, trunk pan, and fender wells required. Must seal off trunk area from driver cockpit.
- F. Universal aftermarket gauges allowed.
- G. Battery must be mounted securely in trunk not in driver cockpit.

### ROLL CAGE:

- A. Quality constructed safe roll cage mandatory. 6 point minimum cage properly and adequately reinforced. must be constructed of a minimum 1 ½" tubing. .090" wall thickness. 4 driver side door bars, 2 passenger side door bars, adequately braced and welded to the frame. Front loop bar allowed may be tied in to main cage.
- B. Aluminum racing seat required, must be mounted on a seat hoop.
- C. 3" wide, 5 point safety harness required, maximum 3 years old. Bolted securely to roll cage, not floor pan.
- D. Driver MUST have driver's side FULL window net. NO triangular or sprint car type nets.

### TIRES & WHEELS:

- A. 8" steel wheels ,maximum, NO bead locks. Stock lug pattern, no wide five wheels or adapters. .100" center wheel hub thickness minimum. ½" stud minimum with 1" lug nuts mandatory.
- B. D.O.T. approved for Highway use radial street tires ONLY! No racing tires or racing tread patterns.
- C. NO grooving or siping of tires. NO Chemical treating or altering of tires.

### PROTEST:

- A. Top End - \$250. \$50 will be retained by track.
- B. Bottom End - \$250. \$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. Clutch \$150 claim rule.

### SAFETY:

- A. Steel roll over bars are mandatory and must be approved. Aluminum and other soft materials are not permitted. Front and rear roll bars must be connected at top (cage type) and bottom of both sides at seat height. Side roll bars are mandatory and must extend into door panels, (minimum of four (4) on left side and two (2) on right side with additional support on the back of the roll bar. All bars must be welded and not less than 1 ½" O.D. steel tubing. No pipe fittings allowed. (See illustration B.)

- B. A quick release safety belt of no less than three (3) inch wide material is mandatory and must be fastened to roll bars with bolts and not less than 3/8" in diameter. Shoulder harness mandatory 3" minimum. Belts must be dated 2008 or newer.
- C. Only approved helmets will be allowed. Z-90 specifications. Full face helmets required.
- D. All drivers in all divisions will be required to wear a complete fire resistant driver's suit. Fire resistant gloves, underwear and shoes are highly recommended.
- E. All cars will be equipped with their own fully charged 2 lb. minimum fire extinguisher in good working order and installed within easy reach of the driver. On board fire extinguisher systems recommended.
- F. Battery must be securely mounted in the trunk area of all cars. No batteries allowed in the driver's compartment.
- G. Safety type racing fuel cell with steel outer covers are mandatory in all divisions, All fuel tanks and cells must be mounted with a minimum of 2" x 1/8" steel safety straps that completely surround tank. No gas cans or beer kegs allowed. No fuel cooling devices allowed.
- H. All cars and drivers will be required to meet all safety regulations prior to competition. No Exceptions!
- I. Center top of steering post must be padded with at least 2" of soft material.
- J. Drivers must be able to exit car from either side.
- K. Racing type seats allowed. They must be securely bolted within the roll cage area of the car with 3/8" minimum bolts.
- L. All roll bars close to driver's head, arms and legs must be fully padded.
- M. Kill switch is required within easy reach of driver.
- N. All drive shafts must be painted white.
- O. Window nets mandatory.
- P. E.A.M.S. reserves the right to change, omit and/or enforce any rules necessary to maintain a safe program.