

# **Stock Car Challenge Series Rules**

**ALL RULE SETS MUST RUN AMERICAN RACER STOCKER HARD TIRES**

**Permitted Rule Sets:**

- **NO MIXING OF RULE SETS.**
- **Claimed Rule Set must be clearly posted on the drivers side A-post.**

**1-Southern States Track Alliance Unified Factory Stock Rules**

**2-Swainsboro Raceway Road Warrior Rules**

**3-Monster Thunder Bomber Rules / 3000lbs**

**4-Lavonia Speedway Stock 8 Rules as defined below.**

Stock unless otherwise specified

## **FRAME**

A Stock for make and model

B. Subframe connectors parallel with frame permitted. Non-Adjustable X Bracing permitted.

C. Wheelbase stock for make and model. Ford may be 108

D. Drive shaft loop mandatory

## **ROLL CAGE**

A. All cars must have a minimum 4 point roll cage in driver compartment. Must have 4 door bars on left side, 2 door bars on right side

B. Tubing - 1 1/2 o.d. X .095 minimum

C. Loop around engine compartment permitted

D. Loop around fuel cell permitted

E. May run bars from top of cage to rear of frame

## **SUSPENSION**

A. Stock for make and model

- B. Stock mount, Steel body shocks , non adjustable. \$250 Claim rule per shock
- C. Racing springs permitted. 16 inch max height. NO SPRING RUBBERS
- D. No jack bolts permitted. Adjuster cup allowed, lowering blocks allowed
- E. Leaf springs shackles allowed.
- F. Coil spring cars - rear control arms must be the same distance from bottom of axle tube To bolt. (3 inch max)
- G. Tubular top A frame allowed. Mount must be stock and unaltered. Does not have to be the same length on both sides.
- H. Stock Lower Control Arm. Greasable bushing permitted. No moonball
- I. NO BUMP STOPS

## **STEERING**

- A. Stock
- B. GM car may use any GM spindle
- C. Steering box must be steel

## **BRAKES**

- A. Disc brakes on rear allowed
- B. Dual master cylinders allowed no adjusters inside driver compartment
- C. NO scalloped ,drilled, or slotted rotors
- D. Calipers – stock, steel only

## **REAR END**

- A. May be locked
- B. 9 inch floater allowed (No lightweight parts)
- C. Weight cannot be mounted on rear axle housing

## **BODY**

- A. Factory stock appearing

B. Stock roof

C. Stock appearing nose for make of car

D. Quarter panels and quarter window must be stock appearing for make and model. Camaro is rolled quarters not square. No flat deck must drop from rear window to end of deck

E. No flat sides must have an outward pointing crease or roll to resemble the stock appearance of the make of car.

F. Rear must be closed quarter to quarter deck to bumper

G. Must have stock firewall and floor pan in original position to back of seat and rocker to rocker. Floor rust can be repaired with 18 gage steel. Front half must be stock .

H. Deck height - GM metric cars - 42 inch max. 39 inches and below may use a spoiler

I. Spoiler 6 inch of material sides 6 inches high 18 inches long must taper down to 2 inches

J. Any car with a Body Rule infraction may be permitted to run with a 100lb weight penalty at the discretion of the Tech Official

## **BUMPERS**

A. Must be track approved

B. Must be securely attached

C. Must have lifting hook for wrecker

D. No nerf or push bars

E. No exposed sharp edges

## **ENGINE**

A. Stock block

B. Up to .060 overbore 4 eyebrow flat top pistons

C. Cam hydraulic flat tappet .460 lift max (checked with solid lifter at 0 lash)

D. Crankshaft stock or stock replacement Scat part # 942-910526 or 942-910442

48 lbs minimum crank and timing gear OR forged crank part #435034805700 (50lbs with timing gear only)

E. Rods stock or stock replacement no polished beams Chevy 5.7

## **HEADS**

A. Must be stock

B. 3 angle valve job permitted (Bottom cut 65 deg max. Must see original lower cut)

C. Stock replacement valves only. 1.94/1.50 max valve

D. Any GM straight plug head. NO Vortec heads permitted

E. Roller rocker arm permitted 1.5 or 1.52

F. Screw in studs permitted

H. Ford gt40 heads permitted

I. No Beehive or double Springs

J. Steel retainers only

## **INTAKE MANIFOLD**

A. Edelbrock 2101 or 2701 permitted

B. Any GM or Ford cast iron intake permitted

C. GM aluminum intake must be approved by Tech Official

## **CARBURETOR**

A. Holley 600 single line, single pump, As comes from HOLLEY

B. AFB carburetor permitted

C. 1 carburetor gasket only

D. No spacers allowed

## **IGNITION**

A. Factory single points or HEI only

B. Only stock replacement parts in distributors

C. Locked advance Permitted

## **CLUTCH AND FLYWHEEL**

- A. Stock for make and model
- B. Pressure plate and clutch disc must be stock appearing
- C. Flywheel - 14 lbs minimum

## **FUEL**

- A. 110 Octane Racing Gas ONLY
- B. No additives. No E85. No Nitrous Oxide
- C. No electric fuel pumps
- D. Fuel cell mandatory

## **RADIATOR AND COOLING**

- A. Any stock type radiator
- B. Racing radiator permitted
- C. Radiator must be in front of engine
- D. Aluminum water pump permitted
- E. No electric water pumps

## **STARTER**

- A. Racing starters permitted

## **TRANSMISSION**

- A. Stock 3 ,4 or 5 speed permitted
- B. Automatic transmission permitted
- C. No modification

## **WEIGHT**

- A. 3200 at all times
- B. Must be posted on driver a pillar

## **SAFETY**

- A. Approved helmet and fire suit mandatory

- B. Full containment racing seat mandatory. Bolt on head rests permitted
- C. FIRE EXTINGUISHER Mandatory
- D. Racing seat belts Mandatory

## **PROTEST RULES**

- A. Top of engine carb ,intake, head, cam, bore and stroke - \$550, Acceptance fee \$100
- B. Complete engine - \$1200, Acceptance fee \$200
- C. Carb \$100, Acceptance fee \$30
- D. Flywheel, Transmission, and clutch - \$150, Acceptance fee \$50
- E. Wheelbase, engine set back - \$150, Acceptance fee \$50
- F. Suspension - \$150, Acceptance fee \$50
- G. Rearend Internals - \$150, Acceptance fee \$50
- H. Tires - \$150 per tire, Acceptance fee \$150 per tire (Winner gets \$150 back)
- I. Fuel - \$150, Acceptance fee \$150 (Winner gets \$150 back)