

SUPERSTOCK RULES

FRAME

- *Minimum wheelbase -103". 1964 or newer American made rear wheel drive car. Unibody cars must have stock floor board, firewall and roof and be intact.
- *Frames may be cross-braced or X-ed through center.
- *Frames may be plated on inside of frame rails.
- *Rear tail section may be replaced with square tubing beginning 5" behind rear axle centerline.
- *Front cross member may be notched for fuel pump, and oil pan clearance only.
- *Outer spring skirt may be trimmed to aid spring changes. A minimal amount may be removed and re-plated for shock clearance.
- *All other areas of stock frame may not be altered or changed from original design.
- *No frame lightening will be allowed such as hole drilling, acid dipping, etc.
- *Rear upper control arm mounting shelf may be raised a maximum of 1" or may have mounting holes 1" higher than factory holes.

ROLL CAGE

- *All cars must have a full roll cage including front and rear bars. Minimum tubing size is 1" 3/4 for main cage all other bars may be 1" 1/2.
- *Roof hoop should be a safe distance from the driver's head and padded.
- *Foot protection bars required.
- *Three (3) driver side door bars mounted flush with the outer door panel are mandatory.
- *Driver side door bars must have a minimum two (2) upright bars between each door bar.
- *Passenger side door must have door bars or X brace.

BODY RULES

- *All bodies must be Red River Speedway approved.
- *Clear glass or lexan windshield required. Lexan 1/4 windows and rear window OK, all other glass must be removed.
- *A maximum 7" spoiler, may not have sides or lips.
- *The front bumper must be in stock location and no wider than the front tires.
- *Red River Speedway reserves the right to rule whether a body panel meets the required body rule or not

BUMPERS, RUB RAILS & TOW HOOKS

- *Recommended front and rear tow hooks, cables or straps must be within easy reach of the track crews and be made of a material that will not break when the car is being removed from the track, If you do not have tow hooks do not complain when something is damaged when you get towed from track.
- *All front and rear bars must be concealed.
- *Stock appearing bumpers or bumper covers mandatory on front and rear of car.
- *Rub rails must be securely mounted, trimmed and/or capped.
- *Any race car part that comes loose during a race may cause a black flag for the car at the official's discretion

SUSPENSION

- * Lower A-frame, trailing arm and suspension mountings must remain stock for frame in factory frame position, this includes hangers and shackles for leaf springs. Lowering blocks ok. Lower A-frames must be OEM and must be equal length left to right.
- * Front upper control arms may be replaced with tubular arms.
- * Aftermarket mounts may be used on front upper control arms.
- * No aftermarket, dropped or rewelded spindles.
- * No lightening of suspension or brake parts (such as drilled rotors, etc.)
- * Shocks may be moved from stock location.
- * Only 1 shock per wheel.
- * No aluminum body or coil-over shocks allowed.
- * Racing springs allowed. 5" minimum diameter coil spring.
- * Weight jacks allowed on front and rear.
- * Rear spring buckets must be enclosed and in factory location.
- * No driver adjustable weight.
- * Rear suspension arms bushings must be rubber or urethane maintaining stock dimensions only. Lower front A-Arms may use steel bushing with stock dimensions.
- * Stock Non Adjustable sway bar only must use stock or polyurethane bushings where mounted to frame, may use all-thread where mounted to bottom a-frame.
- * No rear sway bar permitted.
- * Rear trailing arms must be factory OEM or OEM replacement arms.
- * Arms must be factory length

DRIVE TRAIN

- * Engine must be centered between frame rails.
- * Must be OEM 3 or 4 speed transmissions. Must have at least one forward and one reverse gear.
- * No spur cut, phase tooth, dogtooth or internal clutch transmissions allowed.
- * OEM automatic transmissions with factory cases only.
- * Automatics must have working internal front pump, all forward and reverse gears.
- * No aluminum front drum or reverse ring gear in automatic transmissions.
- * No external lightening or alterations except engagement and shifting modifications.
- * No couplers, buttons, carbon fiber, in/out boxes or quick-change transmissions.
- * Clutch and pressure plate must be stock production minimum 10 1/2" diameter.
- * Flywheel must be steel with minimum 10.5 inch steel/organic single disc-type clutch and steel pressure plate assembly.
- * Steel bell housing mandatory.
- * Rear ends must be passenger car 10 bolt rear end or 9 inch ford, Floater or non floater. Aftermarket mounts on ford rear-end ok, must be close to factory location, multiple holes on bottom brackets of rear-end ok. Iron or steel carriers.
- * Drive shafts must be magnetic steel.
- * Rear ends may be locked. (Lockers or Detroit locker Ok)
- * Full floater rear end is highly recommended. All floater parts must be steel with the exception of the drive flange. No gun drilled axles. No cambered rear-ends

INTERIOR

- * The driver's compartment must be fully enclosed around the driver

STEERING

- * OEM steering boxes and linkage.
- * Outer tie rod ends may be replaced with heim ends.
- * No heim joints except for outer tie rod ends.
- * No rack and pinion steering.
- * Quick release steering wheel required

BRAKES

- * All cars must have four-wheel foot operated hydraulic brakes in good working order with no shut off or cut-off valves or traction control devices in brake system, brake proportioning valve ok.
- * Brake bias gauges may be used.
- * Un lightened OEM cast iron brake calipers only.
- * Brake ducting is permitted and recommended.
- * Aftermarket mounting brackets may be used on rear axle.
- * No caliper floater devices. No re-circulators.
- * Brake calipers must be single piston OEM or OEM replacement may run big gm calipers on metric chassis. Or metric calipers on big gm chassis.

WHEELS, SPACERS & TIRES

- * 15X8-inch maximum width steel wheel.
- * All wheels must be full racing design.
- * Backspacing (offset), 2", 3" or 4" only.
- * No single center, flat back wheels.
- * Minimum clean wheel weight 19 lbs.
- * No wheel bleeders or bead locks allowed.
- * Minimum 1" solid steel lug nuts.
- * 5/8" solid steel studs must be installed with correct press fit.
- * Stud length must be at least flush with outside edge of lug nut.
- * Tire rule will be Red River Speedway and Altus Speedway spec tire only. This rule may be modified for special events if the racetrack owner/promoter or the tire manufacturer deem it necessary for safety or other reasons.
- * No altering of tire composition

ENGINE SETBACK

- * Engine must be centered in frame.
- * Engine compartment cross member may be notched for fuel pump clearance. Remove only what is necessary for fuel pump clearance and plate this area.
- * Center line of #1 spark plug cannot set further back than 1.5" behind center line of bottom ball joints.

FUEL CELL

- * Racing fuel cell or bladder type in steel can. Polyethylene fuel cells ok.
- * Maximum capacity 22 gallons.
- * Must use foam and roll-over check valves.
- * Fuel cell and components ground clearance is 11".

UNALTERED DEFINITION

- * All engine parts must be in their original and 'as cast' configuration.
- * Any evidence of machining, sanding, polishing, relieving, grinding, porting, coating, chemical treating, abrasive blasting or any other alterations to the original form or the addition or removal of any material is prohibited.

ENGINE BLOCK

- * All engine components are based off the Chevy 350 block and heads, any other combination like ford or dodge will need to contact the tech inspector for a list of rules. American made production V-8 engines only. No V-6 or 4 cylinders.
- * Must be production cast iron block with standard external measurements in all respects with the exception of the permissible overbore. (.085 max.)
- * Maximum 365 cubic inches.
- * No aluminum blocks permitted. Stock production only.
- * No removing of identification numbers. No grinding or lightening.
- * No 'Bowtie', 'SVO', or 'R' blocks GM approved block numbers are :
10054727, 10066033, 10066036, 3892657, 3914678, 3932388, 3932386, 3956618,
393244, 3970000, 3970006, 3970010, 3970014, 14010207, 14010209,
14010287, 14016376, 14016376, 14316379, 14088528 14088548, 14088552,
14093638, 14101148, 14088526.

OIL SYSTEM

- * Aftermarket oil pans allowed.
- * Oil pump must remain in stock location. No dry sumps.
- * Oil filter must be in stock location

CRANKS

- * Stroke must be 3.50" or 3.48". No other combination will be allowed.
- * Must have stock diameter front snout.
- * Unaltered except for normal cleanup and balancing.
- * Cranks should not be gun drilled, contoured or sculptured

RODS

- * Steel connecting rods only.
- * "H" beam rods ok.

PISTONS

- *Any flat top or reverse dome (dished) piston may be used.
- *No portion of the piston may protrude above the top of the block.

CAMSHAFT & VALVETRAIN

- *Stock diameter magnetic steel hydraulic or solid flat tappets only.
- *No mushroom or roller tappets. No stud girdles or rev kits, no guide plates or screw in studs except for cheater studs.
- *Standard timing chain only. No gear drive or belt drive.
- *Stamped steel non-roller rocker arms only. Poly locks allowed.
- *No lift rule on cam.
- *Stock diameter valve springs only (1.25")

HEADS

- *Cylinder heads must be a stock steel production only.
- *Legal head casting numbers for GM are as follows: last three numbers
350 C.I. -
033,036,126,267,336,339,339X,388,441,445,454,487,487X,493,598,624,642,862,882,920,991,993,997.
- *Maximum valve size = 2.02 intake, 1.60 exhaust
- *Limited to two valves per cylinder.
- *No titanium valves or valve retainers permitted.
- *Combustion chamber, intake and exhaust ports must be in the original 'as cast' configuration.
- *Three angle valve job permitted.
- *Any evidence of sanding, polishing, relieving, grinding, porting, chemical treating, ceramic work, abrasive blasting, alteration of the original form or the addition of material to the ports or combustion chambers is strictly forbidden.
- *No external sanding, grinding, or removal of I.D. number or symbols.
- *Valves must be in stock location and at stock angle.
- *Stock production valve spring diameter only.
- *9:5 maximum compression ratio as measured on the 'whistler' OR by visual inspection such as part/casting numbers and flat top or dish pistons (track official's option which method is used)

INTAKE MANIFOLD

- * OEM production intake, or IMCA-Approved Weiand Intake Manifold, part # 7547-1.
Or IMCA-Approved Edelbrock Intake Manifold part #2701.
- * Any evidence of sanding, polishing, relieving, grinding, porting, chemical treating, abrasive blasting, ceramic work, addition of material or any alteration to original form is prohibited.
- * Cooling bleed lines allowed.

CARBURETOR/SPACER

- *Holley 4 barrel carburetor or 4 barrel quadrajet.
- *No visible modifications allowed on or inside the carb. Choke may be removed.
- *Two (2) return springs mandatory. An over-center throttle stop is required.
- *No spacer or adapter allowed on IMCA intake with Holley Carb. May use 1" spacer with cast iron intake or Quadrajet Carb.

IGNITION

- *Factory stock appearing type ignition only.
- *No crank triggers.
- *No external coils on GM.
- *No aftermarket multiple spark discharge, rev limiters or similar devices. No traction control devices in ignition system or wiring.

EXHAUST

- *Headers allowed.
- *No stainless steel collectors
- *No tri-Y or 180 deg. headers
- *3.5" maximum exhaust before muffler or 'Y'.
- *Must exit behind driver.

FUEL & OIL LINES

- *No alcohol, May use over counter octane boost.
- *Mechanical type push rod fuel pumps only.
- *Fuel lines must mount in a position to reduce damage, usually on front side of pump. No fuel lines shall pass through the driver's compartment.
- *No plastic pressure lines.

SEATS, BELTS, HELMET & DRIVER SUIT

- *Only high back aluminum racing seats will be allowed. Fitted seat is recommended.
- *Minimum of 16 1/2' to center of seat from inside of door bars.
- *This seat is to be securely mounted to the floor or roll cage.
- *Approved minimum 5 point racing harness/belts only.
- *Single snap release, 3" lap belt and shoulder harness and sub-belt mandatory.
- *All belts/harness' and hardware to be certified within last three seasons.
- *All belts shall be securely mounted with grade 5 or better hardware. All mountings shall be in accordance with the belt manufactures instructions.
- *All cars will be required to run a minimum 12" driver side window safety net.
- *Window nets will fall down and will snap with a seat belt type snap on top front corner of window.

KILL SWITCH/ELECTRICAL SYSTEM

- *On/off battery disconnect switch must be located in center of car easily accessible from either side.
- *Maximum 12-volt electrical system with one securely mounted battery only.
- *Batteries must be securely mounted outside the driver's compartment
- *Starter, in good working order, must be mounted in OEM position.
- *All cars must be capable of starting under their own power, Car can be push started by another car in pits if having mechanical problems.

FIRE EXTINGUISHER

- *On board fire systems highly recommended.
- *Quick release type extinguisher mounted within easy reach of the driver is mandatory.
- *Must have gauge and be fully charged.

COOLING SYSTEM

- *Radiator must be of stock configuration and as close to stock location as possible.
- *All cars must have minimum 18-gauge fan protection covering upper 180 degrees of fan.
- *Minimum 2 quart overflow container required.
- *No radiator or fan shrouds protruding through hood.
- *No cooling system components inside of drivers compartment.
- *Electric fans allowed.
- ***NO ANTI-FREEZE!!!** Fine may result at official's discretion.

WEIGHT RULE

- *Minimum 3,200 pounds after the race on Red River Speedway approved scale with driver sitting upright in seat.
- *Maximum left side weight 56.0% of total weight (no tolerance)
- *All weight, frame and body measurements taken with driver seated in car.

BALLAST

- * All weights must be welded or bolted to the frame or roll cage and identified with car number. Make sure weight is secure.
- *No driver adjustable weight.
- *Weights behind rear tires must be installed with a minimum ground clearance of 11 inches, in front of rear tires, 6 inches. They must be concealed by the body panels.
- * If weight falls out during the race disqualification may result