



2014 FACTORY STOCK RULES

5/15/13 UPDATE

Passengers are no longer allowed during any race in any division at Red River Speedway.

This is meant to be an entry level, stock division. We are going to keep it that way. However, there are several cars in the area that have taken the body rules out of context, so we are adding the following provision to the rules in order to keep an even playing field:

If your trunk, hood, front fenders or doors are aluminum, you must weigh 3,100lbs with driver after race.

OEM Steel bodied cars still must weight a minimum of 3,000lbs with driver after race.

REMINDER: 10" wheels are not allowed. 8" wheels only.

All weight must be painted white with car number.

BODY:

Any American made stock passenger car with full frame or Chrysler unibodies. **NO** Camaros. **No** front wheel drives. Stock appearing aftermarket plastic nose or tail pieces are allowed. **NO** spoilers (even if factory equipped), wings, skirts, air scoops, or anything that alters stock appearance. A front visor is allowed on the windshield area MAX 7 inches. Sunroofs and t-tops must be reinforced and enclosed. **NO** nerf bars. Maximum one inch wide by two inch tall steel or lexan rub rails allowed bolted flush to body. All glass, plastic, upholstery, lights, mirrors, and trim must be removed. All doors must be chained, bolted or welded shut. Front inner fender wells may be removed. Cars must be

strictly stock. **NO** cutting, channeling, shortening, or modifying is allowed. Front and rear outer fenders may be cut for the wheel and tire clearance. **NO** excessive trimming of fenders allowed, must maintain stock appearance. **NO** enclosed interiors or decking allowed. No part of dash can be more than 28" from back edge of the center of the hood. Front and rear firewalls must remain in stock locations and be full and complete. **ALL** openings should be covered as to isolate the driver, subject to track approval. Racecar body should be maintained in such a manner as to keep a presentable appearance. Cars with floppy or loose body parts will NOT be allowed to race until such repairs are made. [If your trunk, hood, front fenders or doors are aluminum, you must weight 3,100lbs with driver after race. In other words, if any of these panels on your car are aluminum you must weight 3,100lbs.](#) Weight must be securely bolted and painted white with your car number on it.

BUMPERS:

Stock type rear bumper required. Stock type front bumper may be used, or a fabricated front bumper may be used with the following conditions: cars with aftermarket nose pieces the bumper may extend past frame rails for support and reinforcement; cars without nose pieces the bumper may not extend past front frame horns. **NO SHARP EDGES.**

ROLL CAGE:

Minimum four point cage, minimum size 1 ½ "O.D. by .095" wall thickness. Minimum three bars in drivers side door, and two bars on passenger side door. Four point quick release seat belt and harness required for driver. Racing seat required. Must have window nets for driver. Must have three bars in front of driver in windshield area. [Passengers are no longer allowed during any race in the division at Red River Speedway.](#)

ENGINE:

Must be stock for the make and model except no 400's or larger small or big blocks. All engine components including water pumps, distributor, etc., must be strictly stock. Cast piston only, Chevy must use 4 equal valve relief pistons. Mini starter and aftermarket pulleys okay. Aftermarket power steering pumps ok. Metric cars may run a 350. **NO** stroking or de-stroking. Engine must be in stock location. Solid motor and transmission mounts ok. Maximum cranking compression 175lbs (ignition off, engine turned over 5 times).

CAMSHAFT, VALVETRAIN, AND CYLINDER HEADS:

Hydraulic cam and lifters only. .447 maximum lift. Must maintain 14" of vacuum at 1200 rpm. 1.94 maximum intake valve diameter, 1.50 maximum exhaust valve diameter on Chevrolet engines. Stock size valve springs and stock length push rods only. Stock push rod length 7.800 Stamped steel 1.5 rockers on Chevy, 1.6 on Ford and Chrysler, **NO** roller tips. Open chambered heads only, must be unaltered, OEM. **NO** porting, polishing, or gasket matching allowed. Screw in studs and guide plates ok. 305 engines may use 305 heads (no vortec).

CARBURATION AND FUEL SYSTEM:

Must be on naturally aspirated unaltered stock type carburetor. No more than 1 ½ inch spacer or adapter. Can remove choke. Gasoline only. Holley #4412 2-barrel only. Must be unaltered. Choke plate may be removed. 4412 must be cast into body of carb. Maximum 1" spacer. Fuel pump must be in stock locations for make, **NO** electric pumps or fuel injection even if factory equipped.

EXHAUST:

Stock unaltered cast iron exhaust manifolds only. **NO** Chevy center dump, Corvette, marine or tubular steel type manifolds. Mufflers required. **NO** exceptions.

INTAKE MANIFOLD:

Stock unaltered aluminum or cast iron intake only. **NO** aftermarket or stock high performance or high rise. **NO** bowties. **NO** porting, polishing or gasket matching.

TRANSMISSIONS:

Any stock type automatic or manual. Automatics must have working 11" torque converter. **NO** direct drives. Transmission cooler okay. Manual must have 10.5" clutch and steel flywheel. **NO** mini-clutches. Steel drive shafts must be painted white and have a loop 6" from front u-joint.

FUEL:

Pump or racing gas only. **NO** additives or smells. Fuel tank must be secured in trunk. Fuel cells recommended.

SUSPENSION:

Front and rear suspension must be stock for that make and model of car. **NO** air shocks, **NO** alterations to any part of the suspension will be allowed. Any spring in stock locations, **NO** spacers or adjustable weight jacks of any kind, must sit in unaltered stock mounts. Any stock mount shock.

REAR END:

Stock rear end for make and model. Gears may be locked. Gear ratio optional.

STEERING/DRIVER SEAT:

Steering boxes must remain in stock location. Aftermarket steering wheel and quick release steering coupling are recommended. Quick steer boxes allowed. **NO** part of driver seat may be any further back than 25" forwards of center line of rear housing.

RADIATORS:

Any (1) radiator that fits in original location without any body modifications is allowed. Water pump mounted fans only, **NO** electrical fans. Fan spacers ok.

IGNITION:

One 12 volt battery only, must be mounted securely in rear of driver's compartment or trunk area. One stock distributor in stock location only. **NO** modifications allowed. Module and coil must be stock. Plugs and wires may be aftermarket. Ignitions on/off switch must be clearly marked. **NO** traction control devices of any kind.

BRAKES:

Must use stock type Master cylinder and brake components. Must mount in stock location. Must have at least 3 working brakes. Right front may be blocked. **NO** bias adjustment is allowed. Disc brakes allowed in rear. **NO** aluminum or composite rotors. Must use steel stock type rotors on rear discs.

TIRES AND WHEELS:

8" wide wheels only, 15" diameter steel wheels only, wheel covers and mud plugs right rear only. **NO** bead locks or screws allowed. **NO** bleed-off valves. Must run 1" steel lug nuts. Approved Hoosier asphalt pull-offs only, 35 or higher, must durometer 51 or higher. **NO** grooving, siping, or softening allowed. Both rear tires must be HOOSIER F40. The Hoosier 2045 can also be used for the 2012 season, but not after 2012.

WEIGHT:

Weight may be securely added to car painted white with your car number on it. Car must weigh **minimum 3000lbs. with driver after race**. Cars without white painted weight with car numbers are subject to DQ.

PERSONAL DRIVER SAFETY:

1. **Driver must wear required helmet, fire-suit and five-point safety harness whenever the racecar is on the racetrack. This includes during track packing, warm ups, hot laps, and races.**
2. Helmets are mandatory and must be an approved SHCA or Snell-type full coverage.
3. Helmets should accompany driver and racecar at time of inspection.
4. Helmets of at least Snell SA2000 or SA2005 rating are mandatory.
5. **Complete one –or-two -piece fire suits of a flame retardant nature must be worn by all drivers at all time when racecar is on racetrack. This includes during track packing, warm ups, hot laps, and races.**
6. Fire-resistant gloves are mandatory. Fire-resistant shoes are highly recommended.
7. Five-point safety belts, sub belt, and shoulder harness are required. Factory-type shoulder belts or straps are not allowed.
8. Metal to metal buckles are required on shoulder and seat belts.
9. Shoulder harness must be mounted securely to the roll cage. It is recommended that seat belts and should harnesses not to be more than (1) year old.
10. Where the belt passes through the seat edges, it must have a grommet installed, be rolled, and/or padded to prevent cutting of the belt.
11. Full-size window net mounted in the left side driver's window opening is required. Window net mounts must be welded to the roll cage. All bars around the driver must have approved roll bar padding. Approved racing arm restraints are recommended.
12. Fire-resistant safety neck collars are mandatory.

COURTESY RULE:

Any car from another track with "minor" rule infractions will be allowed to race (1) one night. Cars with infractions are subject to weight penalty.

PROTEST RULE:

Any driver in the same race on the lead lap may protest another car immediately after feature in the tech area. \$250.00 cash per component \$50.00 to the track, if legal, protested car gets \$200.00 if illegal, protestor gets \$200.00 back.