

# ***TIMBERLINE SPEEDWAY***

## **2017 FACTORY STOCK RULES**

**BODY:** Any American made stock passenger car body on a stock unaltered full frame, or Chrysler & Ford unibodies. No front wheel drives. No Camaro or Mustangs. Stock appearing aftermarket plastic nose or tail pieces are allowed. Rear of car must be sealed off, no exposed fuel cell. No spoilers (even if factory equipped), wings, skirts, air scoops, hood scoops, or anything that alters stock appearance. Bodies cannot be moved from the original body mount rubber bushing no more than +/- 1" cannot be less than 5 ½" from ground. A front visor is allowed on the windshield area **MAX** 7 inches. No side or rear window visors allowed. 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. Cars must be stock appearing. No cutting, channeling, shortening, or modifying of body is allowed. No excessive trimming of fenders or hoods allowed, must maintain stock OEM appearance. All doors, fenders, and window openings must remain stock appearing and OEM dimensions and be the same on both sides. No straight slab sides. No enclosed interiors, or decking allowed. Front edge of rear deck cannot be more than 8" forward of center of rearend and must have at least 2" continuous drop from front to rear. Rear of dash can be no more than 35" from the center of the distributor or 28" from back edge of the center of stock hood. Original OEM front and rear firewalls must remain in stock location and be full and complete. Cars must have a complete stock steel roof mounted in OEM location and OEM rake and angle for model. 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.

**Aluminum bodies add 50lbs. in front of motor.**

**FRAME:** Frame must be full and complete. Cannot be Widened, Narrowed, Shortened, Lengthened, or be Cut, Bent, or Altered to change Suspension Brackets. Rear of frame behind upper shock mounts may be replaced with round, square, or rectangular tubing. Cannot narrow right rear frame for tire clearance. No frame alterations allowed. All Bars forward of cage must be lower than the hood.

**BUMPERS:** Stock type rear bumper required, 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. Must be behind nosepieces. Cars **without nosepieces**- 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 driver’s side door, and two bars on passenger side door (three bars if passenger in car). Four-point quick release seat belt and harness required for driver and passenger. Racing seats required. Must have window nets and firesuit for driver and passenger. Must have at least three bars in front of driver and passenger in windshield area.

**ENGINE:** Must be stock for the make and model except no 400’s or larger small or big blocks. Cast piston only, Chevy must use 4 equal valve relief pistons. OEM crankshaft only- cannot be lightened. No aerowing, bullnose, knife edge, undercut or drilling of second or third rod throws. OEM steel Connecting rods only must remain stock OEM length, weight and shape. No lightening of any parts. Aftermarket water pump, mini starter, pulleys, harmonic balancer and oil pans okay. Aftermarket power-steering pumps okay. Metric cars may run a 350. **NO** stroking or de-stroking. Engine must be in stock location. Solid motor and transmission mounts okay. Maximum cranking compression 175lbs. (ignition off, engine turned over 5 times). Oil pans must have at least 1” inspection hole.

**CAMSHAFT, VALVETRAIN, AND CYLINDER HEADS:** Hydraulic cam and flat tappet 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. No hollow valve stems. Stock size and shape valve springs and retainers. Stock length and diameter pushrods only. Stamped steel 1.5 rockers on Chevy, 1.6 on Ford and Chrysler, **NO** roller tips. Open chambered heads only, must be unaltered, O.E.M. **NO** porting, polishing, or gasket matching allowed. The only GM head numbers allowed are 14079267, 3986336, 3986339, 3986339X, 3986388, 3932441, 376445, 3928454, 3932454, 3876487, 3973487, 3973487X, 3973493, 3951598, 468642, 330862, 333882, 3998920, 3998991, 3998993, 3998997, and 3970126. Screw in studs and guide plates ok. 305 engines may use 305 heads (no vortec).

**CARBURATION AND FUEL SYSTEM:** Cast Holley 4412 -2 barrel only. Must be unaltered. Choke plate may be removed. 4412 must be cast into choke horn of carb. Maximum spacer and adapter 1” combined total. Fuel pump must be in stock location for make, **NO** electric pumps or fuel injection even if factory equipped.

**EXHAUST:** Stock unaltered cast iron exhaust manifolds only no porting or grinding allowed. No Chevy center dump, Corvette, marine, Lt1 or tubular steel type manifolds. No adaptors between head and manifold must be able to use all OEM exhaust bolt holes in head. No two into one exhaust or x pipes must remain duals.

**INTAKE MANIFOLD:** Stock OEM unaltered aluminum or cast iron intake only. No aftermarket or stock high performance or high rise. No bowties. No porting, polishing, cutting or gasket matching.

**TRANSMISSIONS:** Any stock type automatic or manual. Automatics must have stock appearing working 11" torque converter cannot be smaller with ring around it. No direct drives. Transmission Cooler ok. Manual must have single disc 10.5" clutch, flywheel and pressure plate must be steel, minimum 15lb steel flywheel. No mini clutches. Steel drive shafts only must be painted white and have a loop 6" from front u-joint.

**FUEL:** Pump or racing gas only. No additives or smells. Fuel cell must be secured in trunk any part of fuel cell cannot be forward of any part of rear end.

**SUSPENSION:** Front and rear suspension must be stock unaltered OEM for that make and model of frame, ball joints, spindles and all components. No air shocks. No alterations to any part of the suspension or frame will be allowed. Any spring in stock location no spring rubbers, no adjustable weight jacks of any kind, must sit in unaltered stock mounts. May run IMCA type upper control arms. Sway bars must be stock for make and model mounted in OEM mounts. No suspension stops of any kind. Shocks must have stock type rubber ends, no screw on type rod ends even if welded, must be mounted in stock location on frame, control arm and rearend. No bulb-type, threaded body, coil-over, or remote reservoir shocks. No external or internal bumpers or stops no Schrader valves on shocks.

**BALL JOINTS:** May run aftermarket ball joints but must be stock OEM dimensions. Rebuildable ball joints ok.

**REAR END:** Stock rear-end for make and model no modifying axle bearings or length. All brackets and control arm, shock mounts must be in stock location. Gears may be locked must use stock unaltered ring gear carrier may weld or use bolt in locking blocks. No full spools, Detroit lockers or torque sensing devices.

**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 no further back than 25" forward of center line of rear end housing.

**RADIATORS:** Any (1) radiator that fits in original location without any body modifications is allowed. Water pump mounted fans only, No electric fans.

**IGNITION:** One 12 volt battery only must be mounted securely in rear of driver's compartment or trunk area. One stock type distributor, module and coil in stock location only. Ignitions on/off switch must be clearly marked. No traction control devices of any kind. No digital gauges or tachs.

**BRAKES:** May use any (1) one master cylinder. Aftermarket pedal OK. 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 or calipers. Must use steel stock type rotors on rear disc. No lighting of components.

**TIRES AND WHEELS:** 8" maximum wide wheels allowed, 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 1070, F45, F50, or F56. May also run F40's on the front only. Must durometer 51 or higher. No grooving, siping, or softening allowed.

**WEIGHT:** Weight may be securely added in trunk or under the hood, but not in plain view or within the driver's compartment must be painted white with car number. Car must weigh minimum 3000 lbs. with driver after race.

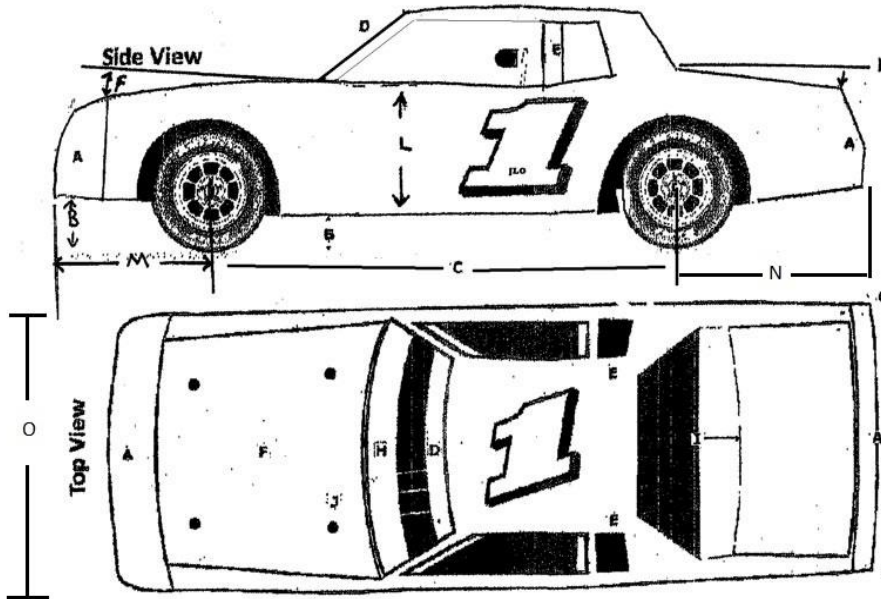
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**COURTESY RULE:** Any car with "minor" rule infractions will be allowed to race (1) event. Must be determined before the race. Cars with infractions are subject to weight penalty.

**PROTEST RULE: SEE GENERAL RULES**

## 2017 Factory Stock

# BODY SPECIFICATIONS



- A. Only stock appearing plastic nose and tail pieces are allowed (no late model noses).
- B. Minimum 5 1/2" from the ground.
- C. Minimum 107 1/2" wheel base +/- 1/2" from side to side
- D. Max 7" visor, no side visor on body or cage.
- E. B pillars must be stock OEM dimension. Side windows must be OEM or a min height of 26 1/2" +/- 1", rear side window cannot be closed off. Roof must be stock steel OEM .no wedged roofs.
- F. Stock appearing alum body ok .hood cannot have more than 5" of rake to the nose. Must look factory.
- G. Stock rear bumpers ok must be tied to the body with 4" flat plate if it's not inside the tail piece. Front bumpers not covered with a plastic nose cannot be wider than the stock frame horns even if it's a stock front bumper.
- H. Rear of dash can be no more than 35" from center of the distributor or 28" from the back of the stock hood.
- I. Rear deck may only be 8" in front of the center of the rear end.
- J. Must have a minimum of 3 windshield bars in front of driver and passenger
- K. Trunk and rear quarters must have min 2" rev rake
- L. Alum doors height must be a min of 27" and a max of 29".
- M. MAX 47" From center of spindle to front of nose.
- N. MAX 50" From center of axle to rear of car
- O. MAX 73" Width of Car