

2020 Super Stock Four Cylinder Rules

Chassis and Body Specs

- 1. Any stock appearing metal bodied four cylinder car or truck with a 94" to 101.5" wheel base. You must maintain within ½" of the stock wheelbase for the make and model of chassis being used. Rear wheel drive only, no FWD or mid-engine cars.**
- 2. The front, main, and rear chassis rails must remain in the car and un-altered. If the stock chassis rails are modified or altered in any way, there will be a weight penalty for infraction of this rule. You may tie the uni-body chassis together. Absolutely no bracing under the floor pan. The front chassis rails may be replaced with tubing in front of the cross member. The sway bar or torsion bars may be connected to this tubing, but no other suspension components. The rear chassis rails may be replaced with tubing behind the rear end housing. No solid tubing front to rear.**
- 3. Inner panels may be removed. The front roof supports/door jambs and front firewall must remain intact a minimum of 18" from the chassis rail/rocker panel, no lower than the original master cylinder hole in the firewall. You may replace above that with steel or aluminum. You must brace the top of the door jamb from the chassis. A foot brace will be required on the driver's side.**
- 4. Entire floor pan must be unaltered to the rear of the driver's seat on both sides. Must have a rear firewall or driver's compartment must be boxed-in completely. Boxed-in interior must have a removable inspection panel on the passenger side.**
- 5. You may have a complete aluminum body, but it must conform to CLR specs as outlined below. You may use Five Star or Performance Bodies replacement panels. (See body measurements)**
- 6. All cars must have a minimum ½" and a maximum 1" radius at the top of the front fenders, doors, and rear quarter panels. No sharp edges.**
- 7. You may use an aftermarket nosepiece and rear bumper cover, must match make of car if applicable. No MD3 nosepiece will be allowed, no wings or elephant ears. Nosepiece may have to be trimmed in the center to meet specs. The nosepiece may extend a maximum 48" from the center of the front hub to the farthest point extending forward. Maximum 2" outside of the front fenders. (70" maximum total width on the nosepiece)**
- 8. No open rear ends. May use a rear bumper cover or fabricated solid filler panel. Panel must be made of aluminum and extend from the deck to the frame rails, minimum 14" with no holes or flaps. Rear bumper bars must not extend past the inside of the rear tires unless it has a bumper cover or turns forward. If turned forward, it must be on a 90 degree angle with no sharp edges or corners.**

9. The hood and front fenders must be level and flat from the left to the right side of the car. The maximum width from fender to fender is 68". The front fenders may be a maximum 36" in height, measured vertically from the ground to the top of the fenders. You must run a hood. Breather may stick through the hood. Cold air box is allowed.
10. The door to door measurement must not exceed 68" in width at the top of the door and 72" in width at the bottom of the door in the center of the car. No point of the body may be wider than 72". The doors may be a maximum 36" in height, measured vertically from the ground. The minimum ground clearance will be 4" at any point of the body.
11. The maximum height from the ground to the top of the rear deck and quarter panel will be 38". The maximum distance from the center of the rear hub to the rear edge of the quarter panel is 42". The rear deck must be tapered in a symmetrical manner from the center of the rear hub to the rear spoiler with a maximum width of 68" at the rear hub and a maximum width of 66" at the spoiler with a maximum 4" less than at center of rear hub. Maximum slope from the rear height to the front height of body will be 2".
12. Only aluminum or lexan type rear spoiler will be permitted. The maximum overall height of the rear spoiler will be 6". (6" of surface material plus the bends, the top of the spoiler may not be bent upward) The maximum width of the rear spoiler will be 66", may not extend over the edges of the rear deck. The spoiler must be attached solidly to the rear deck, no raised spoilers or wings. Maximum 3 braces or supports may be used, must meet template. All measurements are maximums. Support bottom length is 16", rear height is 8" and 4" across the top, and 4" in height at the front.
13. The roof length from front to back must be a minimum of 40" and a maximum of 48". The roof width from side to side must be a minimum of 46" and a maximum of 50". The roof must be stock appearing and mounted parallel to the body and centered on the body, as viewed from the front or rear. The minimum height of the roof will be 48" with a maximum height of 54". A maximum 1 1/2" bend or roll, turned downward, will be permitted along the front edge of the roof. A maximum 1" bend or roll, turned downward, will be permitted along the rear edge of the roof. The roof post and spoiler supports may not overlap. All roof side panels and supports must extend to the edge of the body. The left and right side window sail panels must match, 18" maximum at the top and 36" maximum at the bottom.
14. Windshield is optional, if removed, you must have five protective bars on the driver's side. They must be between 4" and 5" intervals. They must be magnetic steel. No front side door windows allowed.
15. Must have the make of car and the required weight on the hood or front fenders.
16. Must have a full roll cage secured to the chassis.

Suspension Specs

17. All suspension components must remain stock in their OEM mounting locations for the year make and model of the chassis, unless otherwise stated.
18. A collapsible steering shaft is recommended with a quick release steering wheel.
19. Strut cars must run stock or OEM replacement components, may brace the top of the tower. May alter the top of the strut tower with a slotted plate for the purpose of setting caster and camber. The strut towers must remain intact for support. May cut lower A-frame, upper or lower control arms for caster and camber adjustment.
20. Must use stock type magnetic steel shocks bolted in the stock location. No coil-over, adjustable, re-buildable, remote reservoir, or air shocks allowed. No Schrader or bladder type valve allowed. No shock covers. No external or internal bumpers or stops. Ford Pinto may relocate the front shocks for wedge bolt assembly. Cars with 8" rims and tires may run stock mounted adjustable shocks with bottom heim only, no adjustable bracket. No canister style shocks
21. Springs must be located in the original position. You may run aftermarket springs with an adjustable bucket. May run screw jacks, wedge bolts, or adjuster cups.
22. Shackles permitted on the rear springs. Lowering blocks permitted. Stock type OEM multi-leaf style springs must be magnetic steel.
23. May cut top trailing arm(s) or re-drill for pinion angle only. May cut pan hard bar, it must be non-adjustable and in the stock location. Mono balls allowed.
24. Four wheel disc brakes permitted, but must have OEM components. Dual master cylinder permitted. You may run an adjuster and right front brake shut-off. The removal of right front brake assembly is allowed. May use an aftermarket pedal assembly.
25. Any steel wheel 10" wide X 13" maximum. Bead lock rims permitted, bead lock must face outward. Safety beads required on all wheels. One inch lug nuts recommended.
26. Tires must be American Racer SD48 and harder or Hoosier 1350 and harder on all four corners. No grooving, siping, conditioning, or chemical alteration of any kind. May needle and grind tires.

Weights and Provisions

27. Cars must weigh 2400 pounds minimum with the driver after the race, unless a weight penalty is assessed. There will be a 200 pound weight break for 8" rims and tires.
28. Racing fuel or pump gas only. No alcohol or fuel additives.
29. If it is not mentioned in the rules, consult a tech official with your questions.
30. Cars will be inspected for tech and safety items prior to competition. Tech official will have the final approval.

**** Acceptable chassis, body, or suspension infractions will result in up to a 50 pound weight penalty in the area of the infraction. All infractions are not acceptable, tech man's discretion.**

Engine and Drivetrain Specs

31. The engine maximum is 2500 C.C. Engine can be bored to the maximum C.C.
32. Engine must be in the stock location, this means factory height and setback. You may run solid motor mounts, but they must be stock size.
33. Zero decking allowed on the block, it must be a factory production steel block. All components of the engine must be stock production for the manufacturer of the block, unless otherwise stated. No 2.5 components in Fords.
34. Any oil pan. May relocate the oil filter. No oil cooler allowed.
35. Must be a stock stroke crankshaft for block being used. Crankshaft, rods, and rod bolts may be stock or aftermarket.
36. Any flat top pistons. Toyota 3TC may run a dome of .235" maximum. Toyota 20R/22R may run a dome of .127" maximum.
37. Any clutch and flywheel permitted.
38. Stock production head and intake. No porting, polishing, or acid washing of the runners. Bowl blend allowed. No spacer between the head and the intake. No factory dual plug heads. One spark plug and two valves per cylinder maximum. No aluminum head on Fords. No fuel injected intakes.
39. The head of the valve must be stock diameter for the head being used. May cut the spring pocket. Double valve springs and beehive valve springs permitted.
40. Cutting the lifter boss is permitted. Lash caps are permitted. May be hydraulic or solid lifter.
41. Aftermarket timing gear allowed to match cam key type. External adjuster permitted. No roller cam or rockers. Any lift on a flat tappet cam.
42. **Standard Holley 500 CFM (4412) or Holley 350 CFM (7448) must be used, no HP or other models allowed.** No modification, except for choke housing, main jets, and power valve. It must pass all of the track tools. Maximum 3" spacer/adaptor allowed to fit the Holley to the intake. May cut the intake to match adapter bore sizes – No polishing.
43. Mechanical or electric fuel pump permitted.
44. Must run a stock distributor. May run an aftermarket ignition system. No magnetos and no dual point distributor. Must have an operable starter in working condition.
45. Headers permitted. Track approved mufflers must be used.
46. Transmission and differential must be stock manufactured OEM production. The transmission must have a minimum two forward gears and one reverse, plus neutral position. Drive shaft must be magnetic steel. You may weld the rear end gears or run a spool, but no other aftermarket devices.
47. All cars must have an approved scatter shield and/or approved bell housing.