

2021 Pure Stock Rules  
Thunder Mountain Speedway

CHASSIS/BODY

1. Acceptable vehicles: All North American OEM 4-link cars 1965 to present with a minimum wheelbase of 101". Wheelbase must measure the same on both sides. No convertibles, trucks, jeeps, station wagons or sport utilities.
2. Must have full firewall and floorboards in driver's compartment. Passenger interior may be "boxed in" above floorboard but no higher than window opening.
3. No spoiler or spoiler sides. Rear deck must have no more than 2" rake (from back to mid plate). Max deck height is 45".
4. Roof raking 2" max.
5. No sideboards or wings of any kind or size.
6. Tail ends must be completely covered (side to side) one half the distance from the highest point of the rear deck to the ground. In other words, measure from ground to highest point of rear deck. (This must be done with car race ready... tires on and inflated, car on level ground, etc.) Divide that in half and back must be completely sealed that far down.
7. Body Style must be respective to the class and must pass tech inspection approval. No Flat panels on the sides. Roof must be steel or aluminum ONLY. Roof, roof posts, and tail piece MUST be OEM-appearing. No Late model style roofs or posts. It MUST be STOCK APPEARING. (No Exceptions)
8. Plastic or rubber nose and tail piece permitted. One or two piece. Nosepiece must be stock type. No late model style noses permitted.

FRAME

9. Must remain OEM appearing. Front and rear suspension mounts on frame MUST remain STOCK and in STOCK LOCATIONS. Altering will result in disqualification. Rectangular tubing may be used to replace rusted frames behind rear-end. Any alterations MUST HAVE TECH APPROVAL. Rear weight jacks are permitted.
10. Uni-body frames must have 2"x3" box tubing joining OEM front and rear frame sections. Must have Tech approval.

SUSPENSION

11. Suspension must match chassis used.
12. No coil-overs permitted.

13. No driver adjustable components.
14. Any coil springs, any shim, or spring spacers are permitted.
15. Cars must have a minimum of 5 inches ride height from the lowest point of the frame rail.
16. Front A-arms tubular upper (non adjustable only) OEM type lower.
17. Rear OEM Location 4-Link or leaf spring only. Mounts on rear-end must remain in stock location on frame. Mounts on rear axle may not exceed 4" from the bottom of the axle tube to the bottom of the mount, that also includes the shock mount. The only exception is if using a factory stock axle. Stock-type control arms only. May change bushings to monoball, heims ends or any type adjustable arms will NOT be permitted. Leaf-Spring cars may have adjustable shackles on rear. No spring sliders.
18. Shocks must remain STOCK and in the STOCK position. Heims end shocks will NOT be permitted.
19. No adjustable shocks front or rear.

#### STEERING

20. Steering must remain OEM for type of chassis used.
21. OEM steering boxes only.
22. No rack and pinions.
23. Steering quickeners allowed.

#### ENGINE/DRIVETRAIN

24. Engine type (GM, Ford, Chrysler etc.) Must match chassis used. Factory sealed GM 602 engine will be permitted on any chassis.
25. Maximum engine size is 350 (GM) 351(Ford) or 360(Chrysler).
26. No fuel injection. Production fuel injected vehicles must be changed to carburetion.
27. No aluminum blocks, no aftermarket blocks.
28. No aluminum heads, no aftermarket heads.
29. No angle plug heads.
30. Double-hump heads are permitted. Part # 10239906 and 12558062 Vortec heads are permitted.

31. Engines may be bored to .040 over bore.
32. Hydraulic camshafts only. (Any hydraulic flat tappet camshaft)
34. No solid cams.
35. No roller cams.
36. No roller lifters.
37. No roller rockers. Roller tips will be permitted.
38. Stock stamped 1.5 rockers only!
39. Furthest forward spark plug in line with upper ball joint.
40. Factory stock cast iron intakes, or aluminum egr type intakes, :  
Edelbrock #2101-2116 for Chevy  
Edelbrock #2181 for Fords  
Edelbrock #2176 for Chrysler may be used.  
No othe Hi-Performance or high-rise intake will be permitted.  
No porting of any type.
41. Use 1" adapter plate to mount 500CFM 2-barrel Holley or 4-barrel carb with working vacuum secondary. Vacuum secondary cannot open when engine is not running. No double pumpers, no quadra-jet carburetors.
42. OEM stock stroke crank shaft only.
43. OEM length connecting rods only.
44. Pistons: flat top or dish only; No dome tops permitted.
45. OEM-type ignition only. No Mags, MSD, Mallory, Accell, Pertronix, and no external spark box.
46. Exhaust must exit past driver. Street-style and over-the-rail headers are permitted with 1 5/8" tube and 3" collector maximum. Crossover, Tri-Y, or 180-degree headers are not permitted.
47. Transmissions must be OEM type – automatic or standard.
48. Standard must have steel blow proof bell housing with an inspection hole in the bottom.
49. OEM steel flywheel (no aluminum) with 10" clutch.
50. Multi-disc clutch will be permitted. Must add 100lbs.

51. Automatics must have working torque converter with steel scatter shield.

52. OEM rears, Ford 9 inch rear, or floaters permitted.

53. Standard 5-bolt no wide pattern hubs.

54. Rears must be locked.

55. Cars must start and run under their own power.

56. Cars must have working reverse.

#### WEIGHT

57. Minimum weight will be 3200lbs. Cars with a multi-disc clutch must weigh a minimum of 3300lbs(with driver) after the feature and be clearly marked "3300 LBS" on the drivers window.

#### WHEELS/TIRES

58. Steel 15" racing wheels only.

59. 15 inch tires only. 27.5/8.0x15 max. on 7" or 8" rims only. NO BIGGER!! Recaps allowed. Any compound allowed. NO ALUMINUM WHEELS!! NO WINTER TREADS!!

60. Bead locks allowed on all four wheels.

#### ROLLCAGE / SAFETY

Please read and follow all Safety Rules and Regulations found in the section titled SAFETY RULES!

#### OTHER

61. Gas only; no alcohol.

62. No driver controllable brake bias adjusters or shutoffs.

63. Other than the requirements or exceptions listed elsewhere within the rules, the car and all components MUST remain stock appearing.

64. AMB Transponders are required for this class.