



# 2016 RULES Mini-Modified (JANUARY, 2016)

## **RULE BOOK DISCLAIMER**

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to

have complied with these rules. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his/her opinion does not alter the minimum acceptable requirements. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

### **DRIVERS:**

1. Minimum age for Mini Modified Drivers is Fourteen (14 Years Old)
2. Must have S.S. official's approval.
3. Drivers must have parent's consent form filled out prior to on track.
4. Drivers will be able to participate in other S.S. classes except for young guns class.

### **COMPETING MODELS:**

1. Any 1960 and later with a maximum wheelbase of 105" ALLOWED.
2. Steel bodied car.
3. Front and rear wheel drive ALLOWED
4. NO station wagon, NO convertibles.

### **BODIES:**

1. Bodies must be of the same make as the original chassis, and remain stock appearing at all times.
2. After Market Sheet Metal may be used on doors, fenders and hoods. (Fiberglass hoods ALLOWED)
3. All other body parts must be O.E.M metal
4. Aftermarket nose and tail, 1" box tubing to mount in O.E.M positions ALLOWED
5. All doors must be welded or riveted shut
6. All hoods should be sealed to the cowl or the windshield, NO hood scoops or anything else throwing air to the

carburetor.

7. Hoods and trunks must close in the original position; at least two (2) positive fasteners must be used on hood and trunk. O.E.M. hinges ALLOWED.
8. Must have firewalls front and rear intact with NO holes completely sealed, 22 gauge steel required.
9. Roll cage, firewalls, etc. must be visible from inside the car.
10. Must have factory floor pan, NO alterations, No tunnels etc., except for roll bars.
11. Fenders may be cut for tire clearance, must be rolled under, NO sharp edges. ONLY.
12. Inner structures removed: fenders, doors, hood, trunk lid, and roof. ONLY
13. Trunk floor pan must be O.E.M. Except for fuel cell installation. ONLY
14. Factory dash removal ALLOWED may replace with a custom dash of aluminum or steel, optional.
15. All accessories outside the car must be removed and covered: example door handles, taillights, headlights, etc.
16. Rear spoilers, max 5" tall and 54" wide or the width of the trunk lid, whichever is less. Must be bolted to trunk.
17. Roll cages must be 1 1/2" or 1 3/4" x .090" wall thickness tubing minimum.
18. Minimum of 4 bars on driver's side, with 1/8" metal plate welded to the outside of the roll bars so nothing can enter the driver area, MANDATORY. Minimum of 3 bars on passenger's side.
19. Front hoop not to extend past 3" of frames horns, rear hoop to stay in trunk area.
20. All bars in driver's area must be padded, MANDATORY.
21. O.E.M. steering box ONLY. Steering column must have collapsible sleeve.
22. Steering quickner ALLOWED.
23. Quick release steering wheel ALLOWED.
24. All pedals must remain in stock locations, aftermarket pedals ALLOWED.
25. May reinforce bumpers with 1" lights tubing, internal braces behind bumpers ONLY.
26. Lexan: Front, rear and side ALLOWED Two 2" Front and rear straps secured, side glass riveted. ALLOWED.
27. Wrecker hook ups front & rear. Hooks or chains. MANDATORY.
28. Side view and rear view mirrors ALLOWED.
29. Side vents or driver cooling ONLY.
30. Brake air ducts ALLOWED.

#### WEIGHT:

1. All weight and % are measured with the driver and car race trim.
2. Minimum weight is 200 lbs or one pound per cc after race. Actual cc's and weight must be posted on the hood.
1. 2a. All Ford's 2300 lbs. Minimum.

2. 2b. Ford's that are over 2300 cc's must weigh 1 pound per cc. Example 2500cc=2500 lbs.
3. 2c. Aftermarket or Dirt bodies ALLOWED. No weight added. NO OPEN WHEEL TYPE.
3. Maximum left side weight is 55% of the total weight of your racecar.
4. NO dislodged parts can be added back to the car after the Feature Race to make weight
5. All lead must be in blocks & painted white with car #. 2 grade 8 bolts 3/8" MANDATORY.

#### ENGINE SPECIFICATIONS:

All engines must be absolutely stock from carburetor to oil pan, with the exceptions stated within the S.S. Rule Book. 4 cylinder engines ONLY. NO Rotary engines, NO four wheel drive cars. NO double Overhead cam engines. GM 151 ALLOWED in all GM cars. Stock O.E.M. blocks ONLY, NO aftermarket blocks. Must have manual for proof of

eligibility, MANDATORY. You may interchange engines within your Manufacturer line. No turbocharged ALLOWED.

#### ENGINE LOCATION:

1. Stock O.E.M. location ONLY.
2. Stock O.E.M. or solid motor mounts ALLOWED.

#### BLOCKS:

1. Must be stock O.E.M. production ONLY, NO aftermarket blocks.
2. NO block is to be coated, polished or machine worked inside at all.
3. Blocks cannot be offset bored, and must maintain O.E.M. type bearings in the main joints.
4. Stock O.E.M. type rod and cam bearings.
5. NO roller cam bearings, unless it's stock O.E.M.
6. Cam buttons ALLOWED.
7. Engine balancing ALLOWED, must be done in a standard production manner.
8. Maximum overbore is .065, import engine's may be bored to 94MM.

9. Aftermarket pulley's ALLOWED. 10. Evacuation system ALLOWED. 11. Aftermarket oil pan ALLOWED.

#### CRANKSHAFTS:

1. Must be stock O.E.M. cast or steel, NO aftermarket such as Scalt, Lunati, etc. ALLOWED
2. Stock O.E.M stroke must be maintained.
3. NO strokers ALLOWED.
4. NO O.D. turning, weight polishing ALLOWED. You may polish #4 rod joint and #5 main joint ONLY
5. Stud girdle kit for Main Bearings ONLY.
6. 2.3L Ford, 2.5L Ford ALLOWED.

#### CONNECTING RODS:

1. Any steel aftermarket rods ALLOWED. Max length for ford is 5.7". NO max length for other makes. NO polishing of aftermarket rods. May polish stock O.E.M rods NO hollow aftermarket rods. H-beam rods ALLOWED on Toyota's.
2. O.E.M stock stroke crankshafts, +/- .010 stroke variation from stock.

3. Any rod bolt ALLOWED.

PISTONS:

1. Any flat top piston ALLOWED, must be full skirted with zero deck height.
2. NO gas porting.
3. Any steel wristpin ALLOWED, NO titanium pins.
4. Any O.E.M dome piston engine, may run any dome piston. The flat part of the dome piston may be out .010 above the deck.

PISTON RINGS:

1. Any stock O.E.M style ALLOWED. NO dykes, head –land or gapless ALLOWED.

BEARINGS:

1. All engine bearings must be stock O.E.M type sleeve bearing, NO roller bearings ALLOWED.

FASTNERS:

1. Any fasteners ALLOWED.
2. Head Studs, Main Bearing Studs ALLOWED.

GASKETS:

1. Any brand ALLOWED, NO "O"-ring type ALLOWED.

CYLINDER HEADS:

1. Stock O.E.M heads, NO aftermarket heads ALLOWED.
2. Heads may be interchanged on blocks within same make. Crossbreeding within same make is ALLOWED.  
EX: 22R head on 20R = 2100 lbs total weight of your car.
3. Angle milling ALLOWED.
4. Two valves per cylinder ONLY, O.E.M swirl polished type valves ONLY.
5. Stainless Steel O.E.M configuration valves ALLOWED.
6. NO Titanium Valves
7. Valves may be Back Cut 30 Degree Maximum
8. Valve stems may NOT be Canted in Heads
9. NO interior de-burring, polishing, extrude honing or acid porting ALLOWED.
10. Ports must be stock as cast.
11. Lifter bore may be machined for solid adjusters.
12. O.E.M or stainless aftermarket valves must retain stock head diameter. Stern neck down reduction NOT in excess of .025" in diameter. Any steel or stainless steel retainer/keeper ALLOWED. Valve job angles optional. Any valve spring combination.
13. O.E.M valve size for cylinder head used ONLY.
14. Reinforcement on cam boss ALLOWED.

CAMSHAFTS:

1. Stock O.E.M steel or any aftermarket hydraulic or solid cam ALLOWED.
  2. .450 lift intake and exhaust ONLY, duration is optional.
- 2a. any cam over .450 lift must add 50 lbs to passenger side floorboard as far forward and to the right as possible. 2b. NO ROLLER CAMS.
3. Degreeing the cam is ALLOWED.
  4. Stock O.E.M steel or double roller timing chain and gears with Hex adjustment ALLOWED.
  5. Anti-pump up hydraulic lifters ALLOWED.
  6. NO lightweight push rod.
  7. NO Rev-kits, offset rocker arms, pivot rockers arms, roller lifters, lightweight lifters, coated lifters, mushroom lifters, oversized lifters.
  8. Lifter Bore may be machined to allow for solid adjusters.
  9. Rhoads lifters ALLOWED.
  10. Oil return screens ALLOWED.
  11. Lifter valley baffles are ALLOWED.
  12. Lifters must be stock sizes for engine use ONLY.
  13. Roller rocker arms ALLOWED on GM engine ONLY.
  14. Any valve spring retainer and shim ALLOWED.

#### INTAKES:

1. Stock O.E.M factory, fuel injection intakes ALLOWED.
2. No hi-performance intake manifolds.
3. NO porting, polishing, coating, dipping, port matching, etc.
4. Intake may ONLY be modified to accept carburetor, No other modifications ALLOWED
5. All carburetor adaptor plate modifications must NOT exceed stock plenum height or Intake being used.

#### CARBURETORS:

1. Holley 350 CFM # 0-7448, #0-80787-1 or Holley 500 CFM # 0-4412, #0-80583-1. ONLY
2. Choke hardware removal ALLOWED.
3. All vacuum ports must be plugged.
4. NO bevels
5. 2 Gaskets at .065 max ALLOWED.
6. Spacer plate metal 1" MAX thickness ONLY.
7. 2 holes centered, straight cut top to bottom with no bevels ONLY.
8. Must be centered on the intake ONLY.
9. NO offset or bottom modification to carb. or spacer plates.
10. 350 CFM spacer plate holes at 1.50 max ea. ONLY.
11. 350 CFM 30 cc Accelerator pump ONLY.

12. NO polishing, grinding, or machine work.
13. NO base plate modification.
14. NO drilling of additional holes.
15. Booster may be changed ALLOWED
16. NO booster modification to size or shape.
17. Height and location of the boosters must remain per factory specs ONLY.
18. All boosters must maintain O.E.M outside diameter ONLY.
19. NO venture area to be altered or reshaped in any manner
20. NO removal of casing ring.

21. NO modification to allow additional air to be picked up below the opening of the venture. 22. NO altered gaskets, base plates, or drilling holes into the carburetor. 23. No butterflies to be thinned or tapered 24. Idle holes may be drilled in butterflies ALLOWED.

25. Screw ends may be cut even shaft, but screw heads must remain standard ALLOWED. 26. NO shafts to be thinned or cut at all. 27. Accelerator pump discharge nozzle may be changed ALLOWED 28. Power valve change ALLOWED.

29. Jets may be changed ALLOWED. 30. NO outside air to be pulled through the carburetor other than through the venture.

#### AIR CLEANER

1. All cars must have a metal air cleaner.
2. Aftermarket air cleaner up to 14" diameter x 5" tall max. ALLOWED.
3. NO modifications to air cleaner or element must be metal top & bottom.
4. Paper element or K & N type ALLOWED.
5. Front facial on 1/2 of the diameter ALLOWED.
6. NO funneling of any air to the air cleaner or carb.
7. Base of air cleaner must be below choke horn MANDATORY
8. NO carb hats, baffles, etc.
9. Top & bottom must be the same size.

#### FUEL & FUEL SYSTEM:

1. VP Track fuel only.
2. NO additives
3. NO cooling devices
4. Fuel Cell: 8 to 22 gallons foam type. MANDATORY
5. Mounted in a can with 22 gauge steel. MANDATORY
6. Mounted in the trunk area between the frame rails. MANDATORY
7. Roll Bar around the rear of fuel cell. MANDATORY
8. Vented high and to the driver's side. MANDATORY
9. Fuel pump: HP mechanical & electric ALLOWED. Must have roll over valve/switch
10. Must be S.S. TECH approved.

11. Fuel will be checked all the time.

#### ELECTRICAL SYSTEMS

1. Battery: approved enclosed box securely mounted behind the driver area, or under the hood.
2. Batteries in the trunk. ALLOWED
3. Recessed through the floor board, no lower than the frame rails. ALLOWED
4. One (1) twelve (12) volt battery ONLY. NO tractor or big truck batteries
5. Any stock distributor and stock HEI ALLOWED.
6. Standard or electronic distributor may be modified for reliability ONLY.
7. Stock type coils ONLY.
8. MSD, ACCELL, MALLORY etc., internal parts, coils or modules are ALLOWED, stock style only.
9. NO magnetos
10. NO multiple spark discharge boxes or systems ALLOWED.
11. Point type ALLOWED.
12. NO aftermarket distributors.
13. NO adjustable timing controls
14. NO TRACTION CONTROL
15. NO open ended wiring in car
16. Any spark plug wires ALLOWED.
17. Any spark plugs ALLOWED.
18. No dual point distributors ALLOWED.

#### COOLING SYSTEMS:

#### NO ANTIFREEZE- \$100.00 FINE (1<sup>ST</sup> OFFENSE)

1. Stock cooling system only in stock O.E.M. location
2. Any radiator ALLOWED.
3. NO antifreeze, use Water Wetter type products
4. Electric fans ALLOWED
5. Overflow hose at base of passenger windshield ONLY
6. Fab. mounting ALLOWED.
7. Must be centered ONLY.

#### EXHAUST SYSTEM:

1. Stock exhaust manifolds or Headers ALLOWED.
2. 4 into 1 type ONLY.
3. NO 180 degree, step, crossover, coated, zoomies, fenderwell types.
4. NO swedge or merge.
5. Exhaust pipes must run parallel to the ground past the driver's seat and must extend to the outer

edge of the car ONLY.

6. NO pipes in driver's area or coming out of the door.

6a. Exhaust may run through the inside of the race car if totally boxed in and Tech approved.

7. NO pipes turned down.

8. Mufflers REQUIRED.

9. Exhaust Evacuation Systems are permitted; only quality check valves will be permitted.

10. Single, 2 into 1, ALLOWED.

#### OILING SYSTEM:

1. Stock system, wet sump ONLY.

2. External oil filter must remain under the hood ALLOWED.

3. External oil coolers ALLOWED, must remain under the hood with steel braided hose and AN type fittings. NO

rubber hose clams ALLOWED.

4. NO dry sump or Accu sump systems.

5. Any race type oil pan ALLOWED.

6. Screen kits in oil return system ALLOWED.

7. Oil pan baffles preventing oil from flowing away from the oil pump pick-up ALLOWED.

8. NO crank scrapers.

9. Windage tray ALLOWED.

10. Ford may use a single-stage external oil pump plumbed from the filter to the oil pan ALLOWED.

#### CHASSIS:

1. All frames must be stock MANDATORY.

2. Uni-Body frames may be tied together, end to end, 1/2 way may on frame rails.

3. Firewall and floorboard must remain intact.

4. You may patch floor pan if it's rusted or has holes

5. Do NOT cut it out and replace the whole pan, put a patch on the top- 22 gauge steel ONLY.

6. Front and rear hoops may be added to the cage ALLOWED.

7. Front Hoop may extend no more than 3" past the frame horns ONLY.

8. Rear hoop must stay in trunk area.

9. Outer rocker panels may not be altered or moved

10. NO cutting, x-ing, narrowing, boxing to lighten the frame.

11. Frame may be notched for oil filter and fuel pump clearance ONLY.

12. Leaf Springs & Adjustable rear shackles are ALLOWED.

13. 8" max in length with holes drilled ONLY.

14. Front eye stock location ONLY.

15. All lead or weight must be bolted to or in the frame rail or inside car with 2 grade 8 bolts, 3/8"



minimum, with lock

washers or double nut or poly lock nuts, must be painted white with car number on them.  
MANDATORY

16. Adjustable coil spring spacer ALLOWED.
17. Rear spring seat ALLOWED.
18. Adjustable cups ALLOWED.
19. Weight Jacks/ Screw Jacks ALLOWED.
20. Spring Spacers, ALLOWED, must be zip tied.
21. Lowering blocks ALLOWED.
22. O.E.M. coil over cars may be adjustable ALLOWED
23. Leaf Spring sliders ALLOWED.
24. Heim ALLOWED.

#### TRANSMISSIONS:

1. Automatic or manual ALLOWED. All gears must be functional from driver's compartment.
2. Automatics-manual shift kits ALLOWED. Reverse shift patterns ALLOWED. Internal modifications for durability ONLY. NO trick or lightweight internal parts, O.E.M. factory ONLY. Torque converter must be stock O.E.M. size  
  
for all automatics. Must be factory O.E.M. stall speed. NO stall or hollow converters. NO aftermarket Hi-Pro converters. NO valve or any mechanism to transfer transmission pressure ALLOWED. Transmission mount must be O.E.M. stock replacement type and configuration. Neutral safety switch must be functional at all times. Modified transmission oil pan ALLOWED. Transmission oil cooler size and placement is optional. Cooling lines must have NO more than 12" of high-pressure rubber tubing. Aftermarket flex plate ALLOWED.
3. Manual-all gears must be functional from driver's compartment. Three (3), four (4) or five (5) speed transmissions \*ONLY, NO 6 speeds. NO aluminum flywheels, 7 1/4" clutch pack steel minimum or O.E.M. three clutch discs \*ONLY, NO carbon fiber discs. Stock O.E.M. flywheel with a minimum weight of 16 lbs. Bell housing must be modified for a 1" inspection hole of the clutch pack & flywheel. Failure to do so will keep you from competition. Blow proof bell housing is recommended.
4. Floorboard must be reinforced in the clutch area, belting may be used.
5. NO aftermarket transmissions or components, must be factory standard production \*ONLY.

#### DRIVE SHAFT:

1. Standard one (1) piece steel, minimum diameter 2 1/2". NO aluminum.
2. Must be painted white with car number on it.
3. Drive shaft safety loops front and rear MANDATORY.

#### REAR ENDS:

1. Any Car or Truck, interchanging ALLOWED.
2. Floater ALLOWED.
3. Detroit Locker, spooled, locked ALLOWED.
4. NO Quick change

5. Any ratio ALLOWED.
6. NO Cambered, +/- .4 grace ALLOWED.
7. NO solid enclosed trailing arms, must be O.E.M.
8. O.E.M. trailing arms and hook up on all interchange and O.E.M. rear ends \*ONLY.
9. O.E.M. trailing arms may be modified to accept interchanged rear end ALLOWED.
10. Axels: aftermarket ALLOWED.
11. One (1) adjustable rear pan hard bar ALLOWED, must be adjusted under the car.
12. Rear pan hard bar adjustable on one end with bolt and holes \*ONLY.
13. Third Link: Adjustable both ends ALLOWED, Must be adjusted under the car
14. Third Link to use bolts and holes to adjust \*ONLY. NO splined
15. Heim ALLOWED.

#### FRONT SUSPENSION:

1. Stock O.E.M. upper and lower A-Arms ALLOWED.
2. A-Arm modifications ALLOWED.
3. Aftermarket Tubular upper A-Arms ALLOWED.
4. Any bushing ALLOWED.
5. O.E.M. Sway bars, 1 1/4" max. O.E.M. mounting points and no splined ALLOWED.
6. Sway bars to adjusted on one end \*ONLY.
7. Lemans Bar ALLOWED.
8. Steering box O.E.M. type \*ONLY.
9. Any camber & caster ALLOWED.
10. Spindles, rotors, Calipers, magnetic steel & any HD in your line (GM to GM, Ford to Ford) & any brake pad  
ALLOWED.
11. 4-wheel Disc ALLOWED.
12. All steering chassis to be O.E.M. size, spec and steel to frame \*ONLY.
13. NO HP aftermarket
14. Drop spindles ALLOWED.
15. Solid engine and trans mounts ALLOWED.
16. Aftermarket pedals ALLOWED.
17. Aftermarket master cylinder ALLOWED. Not in driver area.
18. Brake adjuster ALLOWED. Out of drivers reach.
19. NO Bump stops.
20. Aftermarket power steering pump ALLOWED.
21. Brake air ducts ALLOWED.
22. Brake hats ALLOWED.
23. NO shut offs.

24.Heims ALLOWED.

25.Stock O.E.M. steering box or rack and pinion from one manufacturer to another is ALLOWED.

26.Steering quickner ALLOWED.

#### SHOCKS & SPRINGS:

1. One (1) shock per wheel, mounted in factory location \*ONLY.

2. O.E.M. hook up \*ONLY.

3. Racing Shock metal bodied ALLOWED.

4. NO rebuildable or revalveable or Schrader valve type.

5. Strut type if came on your car can be adjustable ALLOWED.

6. Any racing coil spring rate as per O.E.M. height, diameter 7 circumference ALLOWED.

7. Adjustable struts and upper strut plates ALLOWED. (not adjustable during race).

8. Factory O.E.M. stock locations, shock mounts and towers must be in their original location \*ONLY.

8a. Shock towers may be removed & shocks mounted to roll bard coming out of the firewall.

MUST BE MOUNTED IN THE O.E.M. LOCATION.

9. Shock tower top may be modified to accept adjustable plate, ALLOWED.

10.Adjustable upper strut plate ALLOWED, not able to be adjusted during the race.

#### GROUND CLEARANCE:

1. All heights are measured with the driver in race trim.

2. Front spoiler: four (4) inches, all the way across.

3. Center of the crankshaft, bolt to the ground: ten (10) inches.

4. Frame height: four (4) inches, measured at the frame rail.

5. Outer rocker panels: four(4) inches must not be altered or moved from stock O.E.M. location

6. Fuel cell and or fuel cell frame: eight (8) inches from lowest point.

7. Oil pan four (4) inches.

8. Track width: 67" front and rear.

9. Front and rear must be within 1/2 inch.

10. Measured from center to center of the tires front and rear.

#### TIRES:

1. Track tire \*ONLY. 2.

3. Tires must be purchased from S.S. to compete

4. Tires must be branded S.S. to compete

5. Dry tire rule only

6. No wheel weights.

7. No grooving or cutting of tires.

8. Buy up to 5 to start the season, 2 per there after ALLOWED.

9. You can only use your tires in your database to compete with. MANDATORY.

10. The driver is responsible for competing with the correct tires. MANDATORY.
11. If you compete on other than your tires, your results will be total DQ, loss of points, money and/or fines and suspensions
12. The driver is responsible and must purchase the tires \*ONLY.

#### WHEELS:

1. Steel wheels: Up to eight (8) inch magnetic \*ONLY.
2. Thirteen (13) inch diameter \*ONLY.
3. Minimum of 1/2" wheel studs \*ONLY.
4. Offsets may vary with a minimum of three (3) inches of backspace.
5. NO pressure relief valves.
6. One 1/2" wheel spacer per wheel ALLOWED.

#### SAFETY:

1. Helmet: Snell 95 or better with DOT tag.
2. Flame retardant driving suit, gloves with SFI tag.
3. Neck Collar or head & neck restraint device/ system (R3/HANS/HUTCHENS).
4. 5-Point 3" racing harness with SFI tag. Not older than 24 months.
5. ALLOWED Race seat.
6. The back of the seat can't go past the door jamb more than 6" max.
7. ALLOWED window net.
8. Racing shoes ALLOWED.
9. (1) 2 1/2 lb fire extinguisher with a dial must be located within reach of driver.
10. Master kill switch to be mounted in center of dash, floor or roll bars MANDATORY.
11. Race Seat: seat cannot go past the door jamb more than 6" max.
12. A driver shall not permit any person to ride in or on any racecar at any time.
13. If your car does not pass pre-race safety tech, you can't race until it is corrected.
14. If a racecar passes entry inspection, it is not automatically declared legal.
15. Radios ALLOWED.
16. Transponders MANDATORY.
17. S.S. TECH must approve all racecars to compete.