

## **Pure Stock V8 Rules 2020**

### **Body**

- 1- Any full or midsize american made car. No trucks, vans, convertibles, 4wds, t-tops or station wagons allowed. Rear wheel drive cars only.
- 2- All cars must weigh 3200 lbs after race. All weight must be painted white and have the car number displayed on it. All cars must have weight and cubic inch on drivers side front fender of the car.
- 3- Subframe connectors allowed. Trunk pans may be removed. May run tubing from center of rear end to back bumper for crash damage.
- 4- May run aluminum front fenders, doors, and hood. No fabricated roof and rear quarters. Must be stock or stock replacement roof and quarters. Roof and Rear quarters must be made of steel. No flat sides. Inner fenders may be removed on rear.
- 5- Approved Racing seat mandatory. No fiberglass seats.
- 6- No boxed in interiors. Must have stock firewall and stock floor pans in stock location. Any holes in the firewall shall be covered for safety. A firewall between the driver and fuel cell must be added.
- 7- Stock wheelbase for the production of the car. Minimum 101" wheelbase.
- 8- Must have 3 door bars on driver's and passenger side. May run 1 ½ roll cage minimum. Must have a 3/16 inch plate welded in drivers side door for safety.
- 9- Rear spoiler height is 7" maximum of surface material on top of the trunk lid. No side spoilers, runners, or support braces. No roof or fender mounted spoilers or fins.
- 10- Back of body must be closed in and attached to the rear bumper securely with no air gaps.
- 11- May run stock appearing aftermarket noses and rear bumper covers, no late model noses allowed. May use factory rear bumper. Body must not be wider than 74 inches at the widest point of the car.

## Chassis

1- All suspension components must remain stock in their OEM mounting locations for the year make and model of the vehicle.

2- Must run stock production lower control arms for the make and model of the vehicle. May modify lower ball joint for stronger ball joints. Center link, Idler arm, tie rods, spindles, must remain stock.

3- May run aftermarket upper control arms , must bolt in stock mounts. Aftermarket upper ball joints may be used. Upper control arm mounts must be in stock location for year and make of car.

4- Monte Carlo must run Monte Carlo style shocks in stock location, Camaro must run camaro style shocks in stock location. No outboard shocks. No heim joint shocks. No coil springs attached to shock unless you are running Mcpherson Struts in stock location. **\$150.00 Claimer Rule for Each Shock. Must Finish in the Top 3 to claim shocks of the car in front of you. "Example 3rd can claim 2nd place, 2nd place can claim 1st place only". May only buy 1 shock per night. Only buy 2 shocks per season per car.**

5- May run aftermarket springs in stock position. No chrysler style springs.

6- No screw jacks, or no wedge bolts allowed. May run adjustable buckets on all 4 coil springs. Adjustable shackles and lowering blocks allowed. No sliders on leaf springs. **Coil Springs Cars must run the same height coil springs on the rear on metric cars.** Rear control arms must be in stock location and use stock unaltered trailing arms on metric chassis. Lower rear end trailing arm brackets hole must be 3.5" max from bottom of tube to the center of hole. Max 3.5" O.D. tube on rear end. No multi hole brackets allowed. May use offset bushings on top bars for pinion angle. **Both lower rear trailing arms must bolt and be at the same measurement to the hole from the bottom of the tube to the center of the hole. No slotting holes in lower rear trailing arms mounts for movement.**

7- May run collapsible steering column. May run steering quickener. Quick release hub allowed. May run aftermarket OEM steering box.

## Engine

1-May run GM SEALED 602 Crate Motor.

2- 365 CI. Maximum. Must run factory OEM block. No Dart , **LS** or World Product blocks. Zero decking allowed on block. Engine may be deburred for oil flow. No dry sump or lightened allowed.

3- Engine components may be balanced. No stroking and destroking of engine. May run aftermarket crankshaft 50 lbs minimum. Must run 3.48 stroke max on crankshaft on chevrolet. No knife edging of crankshaft. **May run 5.7 or 6 inch aftermarket stock replacement I-Beam connecting rods.** No lightweight rods. **I-Beam Connecting Rods minimum weight 560 Grams.** May run aftermarket rod cap bolts and caps. **No H-Beam connecting rods. Inspection plug recommended on oil pan.**

4- Aluminum intakes must use part # **EDL-2101**.. Must use aluminum intake part # **EDL-2116** or **EDL-2716** with Vortec heads. May run unaltered factory stock cast-iron intake. No porting or polishing of any kind allowed. May be milled to fit gasket one side. No high rise intakes. Spacer not allowed between the head and the intake.

5. Air filter 4" maximum.

6- .500 maximum lift cam. May run solid lift cam. No roller cams. **Cam lift will be checked the way the car was raced. Techman can pick any rockarm to check the lift without notice. Cam Lift will be checked 1 hour after race. If anyone caught tampering with rockarms after valve cover has been pulled before the techman checks the car will result in a DQ. NO EXCUSES**

7- May run 2 or 4 relief valve 3 ring pistons. Flat top pistons allowed. May use aftermarket rings. No dome top pistons.

8- May run aftermarket oil pan. May use aftermarket oil strainer and pump.

9- #1 plug must be 1 inch in front of Driver Side lower ball joint. Fuel pump must be in front of crossmember.

10- Stock production cast iron OEM heads only. No porting and polishing of heads. May run OEM Stock Vortec Heads. Screw in studs allowed. No bowtie vortec or angle plug heads allowed. No World Product Heads, No EngineQuest Heads, or No Dart Heads allowed. Vortec Heads must use GM Cast #12558062 or #10239906. No minimum C.C. on the heads. No angle milling.

11- 2.02 intake and 1.60 exhaust valves allowed. Aftermarket valve springs, keepers, retainers, and aftermarket head bolts allowed. 1.5 Roller Rockers, polylocks, guide plates allowed. No stud girdles or shaft rockers allowed. May run aftermarket timing chain.

12- All external components are open, water pump, pulleys, hoses, brackets, fan, radiator.

1 5/8 Headers Maximum. May modify body for headers. May run exhaust.

## **Fuel System**

1- 1 inch maximum 4 bbl to 2 bbl adapter allowed. May only run 2- .065 gaskets. One for carburetor, and one for spacer. No stacking of gaskets. One single 2 Barrel Holley 500 cfm 4412 carburetor only. Choke horn, passing gear may be removed.

2- **All carburetors must pass ALL HCMS TRACK CARBURETOR NO-GO-GAUGES. 5 Total Gauges.**

**NO EXCUSES** No 4 bbl carburetors.

3- No electric fuel pumps allowed. Fuel Cell mandatory. Protected fuel lines and metal filters recommended.

4- Gasoline only. No alcohol. Two return springs required on carburetors.

5- Aftermarket gas pedal with toe hook is recommended. Pedal Cable not allowed.

## **Drivetrain**

1- May run aftermarket or stock clutch and pressure plate 10.5 inches minimum. No mini clutches. 14.5 lbs minimum on flywheel. No aluminum flywheels. May run aftermarket hydraulic throwout bearing.

2- All cars must have a steel scatter proof bellhousing except automatic transmission must run safety blanket. Must run OEM transmission. No Bert, Brinn, or Falcon etc. Must have a 2" inspection hole in bellhousing.

3- Must have 2 forward working gears and must have a working reverse.

4- May run 9" floater rear end for safety. May run single piston disc brakes on rear. Must have 4 wheel working brakes. May run RF shut off. May run spool. Aftermarket pedals allowed must be no way to adjust balance bar. No brake adjusters. One caliper per wheel max.

5- Steel driveshaft painted white. Driveshaft loop mandatory.

## **Electrical Systems**

1- May run aftermarket stock type ignition.

2- No MSD ignition boxes. May run aftermarket plug wires.

3- Wiring, switches, gauges open. May run mini starter. Battery may be relocated must be mounted securely away from driver inside the body.

## **Wheels and Tires**

- 1- American Racer soft or medium only. 26.5 or 27.5 only.  
Hoosier soft or medium only. 26.5 or 27.5 only
- 2- 8 inch wide max tire.
- 3- May cut or sipe tire. No soaking or treating tires allowed.
- 4- Any steel wheel allowed. 8 inches maximum. Beadlock wheels allowed. Large wheel studs recommended. Must run 1 inch lug nuts on every wheel.

## **Safety**

- 1- No radios or mirrors. Must run race receivers, and transponders.
- 2- Racing seat belts and window net mandatory. 5 years maximum on date.
- 3- Fire extinguisher mandatory.
- 4- A head and neck restraint system (SFI 16.1 compliant) is strongly recommended. Drivers using head and neck restraint and Full Containment Seat will receive a 50 lb weight reduction.

Anything not listed in these rules must remain stock for the make and model of car.

## **PROTEST FEES:**

Division Protested Car / Protester

\$175.00/ \$500.00 -

Visual Protest \$25.00

**Visual Protest must be done within 15 mins after qualifying or heat races of your class.**

Visual Protest must be done before qualifying. After the race 1st place car will come on scale and stay until 2nd and 3rd place car arrives. If 2nd place or 3rd place wants to do a protest let techman know before 1st place car leaves the scale. Only the top 3 cars can issue a protest. If a protested car leaves tech area and goes back to their pits during a protest they will be Disqualified. For example, protest would go as follows: If the protested car is found to be illegal, he loses his \$175.00 fee (which the track retains), and the protester is refunded his \$500.00 If the protested car is found to be legal he is refunded his \$175.00 and the protester loses his \$500.00. The track will retain \$250.00 and protested car will get \$250.00. Techman makes all decisions. **Only one crew member in tech area with their driver. If more than 1 crew member is in tech area they will be disqualified.** Money must be given to tech man within 5 minutes of agreement to protest.

