

2021 Pure Stock Rules

The rules listed below are being enforced for all drivers of the Pure Stock class to abide by. For questions contact the racetrack or technical director. Contact information is listed on website.

TIRES

- Tires: ONLY tire allowed Hoosier H 500 (8.0/26.5-15 or 8.0/27.0-15 or 8.0/27.5.15)
- NO TIRE TREATMENT ALLOWED – Track reserves the right to cut tire sample at track discretion.

CAR AND BODY:

- Must have 1960 or newer sedan or sport coupe
- Factory car with a minimum stock factory wheelbase +/- 1/2".
- Factory appearing body with no raised fins or lips on body or interior. May run aftermarket plastic nose. SPEEDWAY PART NO. FOR MONTE CARLO 91054722. PART NO. FOR CAMARO 91054824.
- NO flare nose pieces.
- **Weight 2900LBS. CMS Pure Stock Engines / 602 crate engines 2900LBS. –
Crate Engine must meet GM/CRUSA Rules**
- USA specs. Track may make weight adjustment if deemed necessary.
- For driver's safety, all cars are required to have at least a 4-point roll cage. Roll cage must be welded to frame rails and all connections must be fully welded. All cages must be minimum diameter of 1 1/2 and minimum wall thickness of .090. A

minimum of 3 horizontal bars is required in the driver's door and minimum of 2 horizontal bars in the passenger's door required.

- All doors must be welded shut.
- Must have at least 4 windshield bars in front of the driver.
- Stock seat with headrest ok. Racing seat recommended.
- Must have 3-point quick release type seat and shoulder harness of at least 3" wide. Belts must have date code no older than 5 years.
- Complete bumper-to-bumper steel unibody must be retained. Tying Unibody together is OK
- The stock unaltered floor plan to rear of driver must be retained. Car may be hulled beyond driver seat and left open.
- Driver compartment may be boxed.
- No radios. No mirrors.
- Stock dashboard ok. May be replaced with sheet metal.
- Must have stock bumpers. Must have front and rear tow hooks.
- Exhaust: Headers OK must be parallel with ground.
- May use aftermarket steel or aluminum body. May use aftermarket nose and tail piece. Bodies must remain STOCK appearing. Major infractions will carry weight adds.
- 6-inch spoilers' max are allowed. 12" L sideboards with 6" H

EXHAUST: Headers OK. No try (y) or neck down headers allowed on collector

SUSPENSION:

- ADJUSTABLE CUPS ON FRONT OK, NOT SCREWJACKS
- SCREWJACKS ON REAR OK
- STOCK OR AFTER MARKET TRAILING ARMS OK.
- UPPER TRAILING ARMS MAY BE MUST BE ADJUSTABLE.
- UPPER TRIALING ARMS MAY RUN OFFSET BUSHINGS OR MONOBALLS.
- LOWER TRAILING ARMS MUST UTILIZE STOCK MOUNT ON CHASSIS AND MUST BE STOCK LENGTH NON-ADJUSTABLE
- LOWER TRAILING ARMS CAN BE NO MORE THAN 2 3/4" FROM BOTTOM OF AXLE TUBE TO CENTER OF TRAILING ARM BOLT (+ / - 1/2")
- TOP TRAILING SHOULD BE 3" FROM TOP OF REAR END HOUSING TO CENTER OF TRAILING ARM BOLT (+/- 1/2")
- CENTER OF AXLE TUBE TO CENTER OF UPPER TRAILING ARM BOLT SHOULD BE 7 3/4" (+ /- 1/2")
- BOTH UPPER TRAILING ARMS SHOULD BE SAME LENGTH AND BOTH LOWER TRAILING ARMS SHOULD BE THE SAME LENGTH. NO LEADING OR TRAILING OF REAREND.
- NO ADJUSTABLE LEAF SPRING SLIDERS OR ADJUSTABLE LOWERING BLOCKS ON LEAF SPRING CARS.
- MAY RUN ANY NON-ADJUSTABLE TUBULAR OR STOCK STYLE UPPER CONTROL ARM BUT MUST HAVE CROSS SHAFT.
- LOWER CONTROL ARMS MUST BE STOCK TYPE STAMPED STEEL, NO RACING TYPE LOWERS.
- UPPER CONTROL ARM MOUNTS MAY BE ADJUSTABLE

SHOCKS:

- ANY REBUILDABLE STEEL SHOCK (NO SCHRADER VALVES OR PIERCING VALVES) OUT BOARD SHOCKS ARE ALLOWED.
- NO COILOVERS OR ALUMINUM BODY SHOCKS
- HEIM END SHOCKS ON REAR OK. BOTH LEAF SPRING AND COIL SPRING CARS MUST HAVE SHOCKS IN STOCK LOACTION. MAY EXTEND SHOCK THRU FACTORY MOUNTING LOCATION TO ACCOMMODATE HEIM JOINT.

ENGINE:

- Engine must be in line with top ball joint and #1 spark plug. No tolerance
- The engine block must be strictly stock for that make and model. GM in GM. Ford in Ford.
- Engines allowed .060 for bore plus .010 wear. Cast Pistons only, may be Hypereutectic - stock replacement only. Four Eyebrow Pistons Only. Eyebrow size must be consistent for all 4 eyebrows. KB198 pistons. OK. Rings must have a minimum 1/16th and 3/16th.
- Floated Pins Allowed. Any factory 4 eyebrow pistons are OK. NO forged piston allowed. May still run KB198 cast pistons. No milling the top of piston, may fly cut for valve relief – 2 each
- Cam lift .425 intake / .425 exhaust maximum. No tolerance. Stock diameter Hydraulic Lifters only. No 4/7 crossfire cams. Valve lash .000.
- Pistons deck height .000" Open chamber heads, 70 cc Minimum, 3 angle valve job Ok, cut must not exceed 1" below seat.
- RHS head # 12400 -70 CC Min. Runner must maintain factory specs.
- Engine Quest head # CH-350-I will supersede RHS head which has been discontinued. Same spec as RHS head.
- Intake runner max 165cc. Exhaust runner max. 65 cc. All heads except RHS and Eng.Quest.
- No angle plug heads or aftermarket head except RHS 12400 & CH-350-I. Intake runner max 1.78. Combustion chamber 70CC, exhaust 70CC.
- No porting and polishing on heads.

- Must have straight stem valves. NO pro-flow, no race-flow, no hollow stem, No Bead lock retainers or undercut valve stems. .010 Max. Stem. Valve size 1.940 Intake 1.500 Exhaust. Stainless only. Stock Diameter Stem. No lightweight valves allowed.
- No cut marks lower than one (1) inch below seat
- Stock type rockers. Roller tips OK. Long slot OK 1.5 ratio
- May run screw in studs and guide plates.
- Any retainers and locks. NO TITANIUM
- May run poly locks. Stud girdles OK.
- Stock appearing valve springs +.020 max. No beehive types.
- No double valve springs.
- May run true roller timing chain and gears.
- Engine balancing OK.
- High performance parts limited to items listed.
- NO 400 engines.
- NO big blocks.
- Rods: Stock rods, stock length. SR Eagle or Scat 3/8 bolt or cap screw.
- Crankshaft stock stroke. Cast or steel crank. 350 must weigh 47 LBS. Scat or Eagle ok. Must be run as produced, counterweights must not be windage cut when balancing, angles cannot be altered.
- All cranks will be weighed with pilot bushing, cam gear, bolt and washer.
- Stock type distributor (module, pickup, coil, one unit for MSD)
- Rev.limitier OK. MUST NOT be mounted in driver compartment.
- SFI approved balancer must be run.

- 602 crate engines that are suspected of illegal parts will be pulled and inspected by Cochran Motor Speedway's official crate appointed inspector when all parties can be scheduled after the race. Calls by the inspector will be final.

CARBURETOR:

Must be for make and model of car. Can remove choke butterfly. No porting and polishing. 1850 Holley OK. Rear metering block may be added. Dual feed bowls OK. Main body and Base plate must meet stock Holley specs. Stock butterfly and uncut brass screws. Spacer or adapter 1" max. Gaskets and spacer cannot exceed 1.350". No screw in air bleeds.

- 602 crate engine any 4-barrel carburetor. May use one (1) one-inch spacer. Max. for spacer and gaskets is 1.35 inch

INTAKE:

- Cast Iron Stock type only. No bowtie or marine. No high rise. No porting and polishing. Edelbrock Aluminum intake part # 2101 OK

FUEL:

- Pump gasoline or racing gasoline only. No additives.

TRANSMISSION:

- Stock type transmissions ok or Bert or Brinn Transmission Ok
- May run Nodule Iron Flywheel. .
- Triple Disc Clutch OK With Stock Type Transmission. Must Run Automatic Flywheel.

REARENDS:

- Stock rear ends. Lock rear ends ok. Changing of gears ok. 9" Ford Rear floater OK. Rear disc OK. Stock style disc brake only. Steel hats only, aftermarket brake rotors, OK
- C Clip eliminators OK

SAFETY:

- Stock fuel tanks ok. Fuel cells highly recommended. Fuel cell must be mounted in metal container. May cut trunk floor to mount fuel cell. Trunk floor may be removed. Fuel cell may be offset in rear of car.
- May use racing steering wheels with quick release hub.
- All cars must have track-approved 2lb. fire extinguisher with gauge. Must be securely and properly installed. No taping to bars or interior.
- Approved racing helmet and complete fire suit must be worn anytime car is on track.
- No battery in driver's compartment, UNLESS Jell-cell battery in full-containment box, securely mounted to roll-cage or frame rail only.
- Clutch fan must be removed for safety.
- Seat belts must have date code no older than 5 years
- Window net required and must be in use when on track.
- All weights must be painted WHITE and car number on each.
- Drive shaft must be painted WHITE.

THE ABSENCE OF A SPECIFIC RULE DOES NOT IMPLY APPROVAL, CONSENT OR PERMISSION REGARDING THAT SUBJECT. ANY QUESTIONS OR DOUBTS REGARDING SUCH MATTERS SHOULD BE DIRECTED TO RACETRACK OFFICIALS FOR A CLARIFICATION. TRACK RESERVES THE RIGHT TO ADD WEIGHT FOR ANY INFRACTION. TRACK MAY CHANGE RULES AT ANY TIME.

