

HSR Supplemental Regulations (GM-5):

Chevrolet Corvaair

HSR Group 2 / Group 3

(last revised 1/29/21)

Vintage Sedan Category

The following cars are covered under these regulations:

- (1960-64) EM/Chevrolet Corvaair (145/164cid, ohv, opposed, 6 cylinder)
- (1965-69) LM/Chevrolet Corvaair (164cid, ohv, opposed, 6 cylinder)
- Includes Yenko Stinger running in Sedan Category.



Engines: .047" (1.2mm) maximum overbore allowed
 (145cid) Bore x stroke.....3.44" x 2.60"
 (164cid, 2688cc) Bore x stroke.....3.44" x 2.94"
 Block & head material.....aluminum
 Induction.....two or four Rochester 1-bbl or turbocharger

Transmissions: Chevrolet transaxle, 4-speed, or Powerglide automatic

Chassis: 2 door sedan, steel unibody
Suspension: Front; stamped steel upper & lower A-arms, coil springs
 Rear; semi-trailing arm, swing axle or fully independent, coil springs
 Wheelbase.....108"
 Track dimension, front.....55", +/- 2"
 Track dimension, rear.....57.2", +/- 2"
 Wheels.....7" x 13"
 Brakes.....EM 9" drum F/R LM 9.5" drum F/R

Official weight, measured without fuel & driver, all tolerances included: *Optional **Including Driver** 2200/*2375#

Level 1: Period Correct Specifications and Options (1967 SCCA GCR/PCS)

- Stock crankshaft, connecting rods, rocker arms; may be lightened and balanced
- Stock cylinder heads may be milled, ported and polished
- Camshaft, exhaust system free
- Substitution of any alternator for the standard generator, but not removal
- Springs, sway bars, axles, spindles, hubs, etc. are free as long as track remains correct
- PCS listed gearbox ratios
- Rear axle ratios: 3.27, 3.55, 3.89
- Positraction
- Delco-Moraine power brakes
- Removal of bumpers
- No spoilers or air dams
- Removal of passenger and back seat
- No flares or unlisted alternate body parts
- Factory turbocharger
- Camber compensator (Empi, etc.)
- Removal of turn signals and parking lamps. Head and taillights must remain in place



Level 2: Additional Specifications and Options (HSR-Generally accepted for Vintage Racing)

- Internal engine parts are free including roller rockers
- Accusump, no dry sump
- Transistor or MSD type electronic ignition, must be triggered from distributor
- 390 cfm Holley carb/4-runner manifold
- Disc brakes: Single piston GM metric caliper/S-10 vented 10.5" rotor or equivalent.
- Gearbox and rear axle ratios free
- Fiberglas engine deck lid w/spoiler & adjustable air scoops
- Fitch shock stabilizer set
- Removal headlights
- Lexan or perspex alternate windows & windscreen



Level 3: Additional Specifications and Options (post 1972 SCCA) HSR Group 3

- Weber/PMO down draught carbs/manifold
- Holley 4bbl carb/6-runner manifold
- Factory spec fiberglass body parts
- Flat plate spoiler
- Modified wheel arches (flares)
- 15" wheels
- Unlimited disc brakes

Specifically prohibited:

- Fabricated front control arms (A-frames)
- Remote reservoir shock absorbers
- Crank-fire ignition
- Coil over suspension

