

# HSR Supplemental Regulations (GM-2):

(last revised 2/4/18)

## Chevrolet Corvette C2 (Mid-Year)

HSR Group 5 Class: HP1/HP2

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### The following cars are covered under these regulations:

- 1963-1967 Corvette Sting Ray roadster & fastback coupe (327 CID) B/Production
- 1965 Corvette Sting Ray roadster & coupe (396 CID) B/Production
- 1966-1967 Corvette Sting Ray roadster & fastback coupe (427 CID) A/Production
- All year models may be updated or backdated within the specifications of a recognized configuration



- Engines:**
- .060" maximum overbore allowed, **Stroke must remain standard for displacement**
  - 327 CID Bore x stroke.....4.00" x 3.25"
    - Head & block material.....cast iron (straight plug heads only)
    - Carburation.....Rochester F.I. (or) One Holley or Carter 4-bbl. or equivalent
  - 396 CID Bore x stroke.....4.09" x 3.76"
    - Head & block material.....cast iron
    - Carburation.....One Holley 4 bbl. (1.67" throttle) or equivalent
  - 427 CID Bore x stroke.....4.25" x 3.76"
    - Head material.....cast iron or aluminum
    - Block material.....cast iron
    - Carburation.....One Holley 4 bbl.(1.75" throttle) or equivalent

- Transmissions:** Chevrolet 4-speed.....models M-20, M-21 or M-22  
ratios free, except that first gear must not be numerically lower than 2.20

- Chassis:** Fiberglass roadster or coupe body on pressed steel X-member chassis, steel "bird cage" cockpit structure  
Coil spring front suspension w/ unequal A-frames, independent rear suspension w/transverse leaf spring
- Wheelbase**.....98"
  - Track dimension**, front.....58.9", +/- 2" rear.....59.7", +/- 2"
  - Wheels**.....7.5" x 15"
  - Brakes**.....11.75" discs F & R

- Official weight**, measured without fuel & driver: 327(B/P)...2750# 396 (B/P)...2850# 427 (A/P)...2850#  
**Car may optionally be weighed including Driver:** Add 175# to official weight  
**\*Weight penalties: Jerico/T101 type transmission: 100# Aluminum 350 heads: 50#**

### HSR approved options or modifications:

- L88 & L89 engine options (no reduction in official weight)
- Z06 Drum brakes
- Any 1963-67 hood with appropriate air scoop and vents
- Removal of turn signals, parking lamps, bumpers
- Side mounted exhaust system must exit behind door openings**
- Removal of vent windows, side windows and roll-up mechanism
- Flat plate lip spoiler not to exceed 215 sq. in. and 58.5" width



(This plate should be mounted at approx. 45 degree angle, completely below the hub centerlines and behind the foremost body part)

- J56 brake system or Wilwood D8-4 caliper
- 2-piece rotors of correct diameter (aluminum hat & steel rotor)
- Springs, sway bars, axles, spindles, hubs, etc. are free as long as track remains correct
- Flip-up headlights may be converted to fixed type with polycarbonate cover (Sebring/LeMans type)
- Windshield may be removed on roadster; must be replaced with suitable racing windscreen
- Wheel openings may only be mildly relieved for legal wheel and tire clearance. Contour must appear stock when viewed from the side.



## HSR Supplemental Regulations: Corvette C2 (Mid-Year) (continued from page 1)

- \*After market "offset" or "heavy duty" trailing arms with no change in attachment point location
- \*Stock appearing aftermarket heads of correct material and plug location (i.e. Dart, World Products, etc.)
- \*Roller type camshaft & roller rocker arms
- \*MSD type electronic ignition, must be triggered from distributor
- \*Accusump, Barnes internal dry sump or external dry sump
- \*Edelbrock Performer RPM intake manifold; p/n 7101, 7161 or 7163, as appropriate
- \*Tex/Richmond Super T-10 transmission
- \*Polycarbonate windshield and rear window on coupe, side windows may be replaced or removed
- \*2-piece rotors of correct diameter (aluminum hat & steel rotor)
- \*8.5" American Racing Torq-Thrust D (105 series) wheels

### HSR approved options or modifications which have weight penalties:

- \*Jerico, T101 transmission, 2.20 or higher first gear, add 100# to official weight

### Specifically prohibited

- Removal or modification to factory "birdcage" structure except to repair rust damage or install roll cage
- Set back or lowered engine
- Non-approved intake manifolds (i.e. Victor Jr, etc.)
- Fabricated front control arms (A-frames) and non stock appearing fabricated trailing arms
- Aluminum brake calipers
- Remote reservoir shock absorbers
- Computer controlled traction systems
- Aluminum cylinder heads on 327 or 396
- Unlisted spoilers (i.e. '78 Pace Car)
- "Short Stroke" engines in any displacement**

\*These options are HSR approved but may not be period correct under SCCA GCR/PCS regulations



Correct spoiler and wheel openings for C2



Incorrect spoiler and openings