

SVRA Supplemental Regulations: Early C3 Corvettes

(revised 1/2019)

Chevrolet Corvette Sting Ray (1968-1972) as prepared for SVRA Group 6 competition

The following cars are covered under these regulations:

- 1968-1972 Corvette Stingray convertible & coupe (350 CID) A or B/Production
- 1968-1969 Corvette Stingray convertible & coupe (427 CID) A/Production
- 1970-1972 Corvette Stingray convertible & coupe (454 CID) A/Production

Engines: .060" maximum overbore allowed, **Stroke must remain standard for displacement**

- 350 CID **L46**, Bore and Stroke.....4.00" x 3.48" **B Production**
Head material.....cast iron
Block material.....cast iron
Intake Manifold.....cast iron, part #s 3927184, 3965577, 3973469, 6263751 only
Carburetion.....Rochester, 7029207 (1.39" Pri. 2.25" Sec.)
- 350 CID **LT1**, Bore and stroke.....4.00" x 3.48" **A Production**
Head material.....cast iron
Block material.....cast iron
Intake Manifold.....aluminum OEM or Edelbrock 7101
Carburetion.....Holley R-4346A 4 bbl. (1.687" Pri. and Sec)
- 427 CID Bore x stroke.....4.25" x 3.76"
Head material.....cast iron or aluminum block
material.....cast iron or aluminum
Carburetion.....One Holley 4 bbl. (1.75" throttle) or equivalent
- 454 CID Bore x stroke.....4.25" x 4.00"
Head material.....cast iron or aluminum
Block material.....cast iron
Carburetion.....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"
8" Wheels.....+2" max
Brakes.....11.75" discs F & R

***Official weight:** measured without fuel & driver:

350(B/P)...2856# 350(A/P) Roadster / Coupe...2856# / 2848#
427(A/P)...2831# 454(A/P) Roadster / Coupe...2906# / 2898#

SVRA approved options or modifications:

- L88, L89 & ZL1 engine options (no reduction in official weight)
- Accusump, Barnes internal dry sump or external dry sump
- Edelbrock Performer RPM intake manifold; p/n 7101, 7161 or 7163, as appropriate
- 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
- Super T-10 transmission
- J56 brake system (iron calipers only)
- 2-piece rotors of correct diameter (aluminum hat & steel rotor)
- After market "offset" or "heavy duty" trailing arms with no change in attachment point location
- American Racing Torq-Thrust D (105 series) wheels
- Springs, sway bars, axles, spindles, hubs, etc. are free as long as track remains correct
- Removal of turn signals, parking lamps, bumpers and headlight assy.
- L88 style flares as part of the "distance kit"; wheel openings must have correct profile when viewed from the side
- Flip-up headlights may be converted to "distance kit" type with plastic covers

Side mounted exhaust system with tips ending behind door openings
Removal of vent windows, side windows, roll-up mechanism and passenger seat
Front spoiler not to exceed 59" in width (see approved spoilers below)
Polycarbonate windshield and rear window on coupe, side windows may be replaced or removed

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SVRA approved options or modifications which have weight penalties:

*Jerico, T101 transmission, 2.20 or higher first gear, **add 150# to official weight**
If no charging system, **add 25# to official weight**

Specifically prohibited

Removal or modification to factory "birdcage" structure except to repair rust damage or installation of 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
Remote reservoir shock absorbers
Aluminum engine block 350 or 454 or aluminum cylinder heads on 350
Aluminum brake calipers or floating brake rotors
Unlisted spoilers (i.e. '78 Pace Car)
Wheel arch flares wider than L88 type or mounted so as to alter position of wheel openings
Modified rear deck trailing edge to increase spoiler effect or mounting body at unusual angle with frame
1973 or later nose, bumper or grille
Stroked Engines in any Displacement

Note: Cars with documented IMSA/FIA history may have appropriate specifications. All others must be prepared to SCCA GCR & PCS of 1972 and these regulations.

