



# VW Sedans (1959-1974)

as prepared for SVRA Group 1 or 3 competition

## Make and Model Supplemental Regulations

Revision Date 1/2014

### Background and philosophy:

**Group One** consists mainly of small displacement sports cars and sedans that represent the 'Golden Age' of club racing in the USA.

**Group Three** consists mainly of medium displacement sports cars and sedans that represent the 'Golden Age' of club racing in the USA.

Cars are expected to be prepared to the SCCA standards that were in effect at the end 1967.

Post 1967 cars listed as eligible but must be prepared to 1967 standards. Similar models prepared to the FIA or other regulations are included and are classified accordingly.

### Modifications:

As listed in the SVRA General Rules and Regulations, the Supplemental Rules for the make and model, the SVRA Tire Regulations and any period rules that are deemed appropriate

### Relevant Documents:

- General Rules and Regulations
- SVRA Group Description and Class List
- SVRA Group Supplemental Regulations
- SVRA Tire Regulations
- SVRA Sedan Regulations

### Notes:

These groups have tire restrictions listed in the SVRA Tire Regulations.

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

- (1959-77) VW Beetle (type I) 1192cc, 1285cc, 1493cc, 1584cc
- (1971-74) VW Super Beetle (type I) 1584cc
- (1959-74) VW Karmann Ghia (type I) 1192cc, 1285cc, 1493cc, 1584cc
- (1966-73) VW 1500, 1600 Fastback & Squareback Sedan (type III) 1493, 1584cc
- (1971-74) VW 1600 Sedan (type IV) 1679cc

### Engines:

- .047" (1.2mm) maximum overbore allowed
- 1200 (1192cc, flat-4, OHV)  
Bore x stroke.....77.0mm x 64mm
- 1300 (1285cc, flat-4, OHV)  
Bore x stroke.....77.0mm x 69mm
- 1500 (1493cc, flat-4, OHV)  
Bore x stroke.....83.0mm x 69mm
- 1600 (1584cc, flat-4, OHV)  
Bore x stroke.....85.5mm x 69mm
- 1700 (1679cc, flat-4, OHV)  
Bore x stroke.....90.0mm x 66mm

Note:

#### Block & head material:

.....aluminum w/cast iron cylinders

#### Carburation:

.....Solex or Zenith

All type I models may use any type I engine

### Transmissions:

VW transaxle, 4-speed, ratios free

### Chassis:

2 or 4 door uni-body sedan or coupe

#### Wheelbase:

type I, III; 94.5" ..... type IV; 95.3"

#### Track dimension:

type I; front..55.1", +/- 2" , rear:.... 53.6", +/- 2"  
type III; front.. 56.3", +/- 2" , rear:.... 57.7", +/- 2"  
type IV; front.. 59" +/- 2", rear:.... 57.9", +/- 2"

#### Wheels:

type I : 6" x 15".....type III, IV : 7" x 15"

### Suspension :

#### Beetle, Karmann Ghia, 1500/1600 :

Front; torsion bar .... Rear; swing axle, torsion bar

#### 1600, Super Beetle (1970 and later) :

Front; McPherson strut ...Rear; independent, torsion bar

#### Brakes:

All type I :  
Drum front ..... Drum rear  
All type III & IV :  
Disk front ..... Drum rear

### Official weight,

measured without fuel & driver, all tolerances included:

All type I...1450#  
Others.....1650#

### SVRA approved options:

- Internal engine parts are free including roller rockers
- Accusump
- MSD type electronic ignition, must be triggered from distributor
- Single or dual Weber carburetors & manifold
- Alfin brake drums
- Removal of passenger and rear seat
- Engine cover props
- Camber Compensator
- Springs, torsion bars, sway bars, axles, spindles, hubs, etc. are free as long as track remains correct
- Lexan or perspex alternate windows
- Beetle may use stock profile fiberglass fenders, hood & rear deck lid
- Any other option not already listed that appears on the FIA recognition form
- Removal of turn signals and parking lamps, if no headlights, add 20# to official weight
- Substitution of any alternator for the standard generator; if no charging system, add 25# to official weight

### Items specifically not allowed by the SVRA:

- Coil over suspension
- Undocumented wheel arch flairs
- Crank-fire ignition