



# Volvo Sedans (1957-1980)

as prepared for SVRA Group 3 or \*8 competition

## Make and Model Supplemental Regulations

Revision Date 2/20

### Background and philosophy:

**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.

**Group Eight** classes generally follow the SCCA classes of 1972, with some adjustments for cars that were either not recognized by the SCCA or have specifications that significantly changed their relative performance.

Cars are expected to be prepared to the SCCA standards for 1972 or earlier, even though an individual car or make may have been produced later than 1972.

### 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

### Notes:

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

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

- (1957-61) Volvo PV444/544 (1580cc) **3BS**
- (1962-66) Volvo PV544 (1780cc) **3BS**
- (1960-68) Volvo 122/122S (1780cc) **3BS**
- (1967-74) Volvo 142/144/145 (1986cc) **8BS**
- \*(1969-72) Volvo 164 (2980cc) **8RS**
- \*(1975-80) Volvo 242/244/245 (2127cc) **8BS**

### Engines:

.047" (1.2mm) maximum overbore allowed

B16 (1580cc, I-4)  
Bore x stroke.....3.125" x 3.15"

B18 (1778cc, I-4)  
Bore x stroke.....3.313" x 3.15"

B20 (1982cc, I-4)  
Bore x stroke.....3.50" x 3.15"

B21 (2127cc, I-4)  
Bore x stroke.....3.62" x 3.15"

B30 (2980cc, I-6)  
Bore x stroke.....3.50" x 3.15"

Note:

**Block & head material:**  
..... cast iron

**Carburation:**  
..... Two S.U. or Stromberg  
..... Bosch fuel injection if appropriate

Note: 4 cylinder engines may be interchanged between models and cars will be reclassified accordingly

### Chassis:

2 or 4 door sedan, coupe, station wagon

**Wheelbase:**  
Per Production

**Track dimension:**  
Per Production

**Wheels:**  
B16/B18).....6" x 15" (B20/21/30).....7" x 15"

### Suspension :

Per Production

### Brakes:

11" Disk front ..... 9" Drum rear

**Official weight,**  
measured without fuel & driver, all tolerances included:

One pound per cubic centimeter engine displacement

### Transmissions:

Volvo, 4-speed, ratios free, overdrive optional or 3-speed automatic

### 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
- 11" rear disc brakes
- Alfin brake drums
- Removal of passenger and rear seat
- Rear axle locating Panhard bar
- Springs, sway bars, axles, spindles, hubs, etc. are free as long as track remains correct
- Lexan or perspex alternate windows
- Any other option not already listed that appears on the FIA recognition form
- 122/140 rear axle on PV444/544
- Standard bumpers and brackets may be removed but no alternate is permitted
- Fiberglass air dam or valence permitted in Group 8BS and 8RS only

**Note:** It is specifically authorized to modify or replace the standard rear axle to obtain a "floater" design.

### Items specifically not allowed by the SVRA:

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