

HSR Supplemental Regulations (BMC-1):

(last revised 1/28/19)

Austin Healey Sprite (1958-1961)

HSR Group 2

Vintage Production Category

The following cars are covered under these regulations:
(1958-1962) Austin-Healey Sprite Mk I (Bugeye)

Engines: .047" (1.2mm) maximum overbore allowed, **stroke must remain standard**
(948cc) Bore x stroke.....2.48" x 3.00"
Standard carburetion.....Two 1.25" S.U.
Block & head material.....Cast iron

Transmissions: BMC 4-speed, ratios free

Chassis: 2-seat steel body roadster w/ integral frame
Wheelbase.....80"
Track dimension, Front.....46", +/- 2" Rear...45", +/- 2"
Wheels.....5" x 13" Brakes.....8.3" discs F 7" drum R

Official weight, measured without fuel & driver, all tolerances included: 1378#
Car may optionally be weighed including Driver: 1553#



Level 1: Period Correct Specifications and Options (1965 SCCA GCR/PCS)

- Stock crankshaft, connecting rods, rocker arms; may be lightened and balanced
- Stock cylinder head may be milled, ported and polished
- Engine block and head must be clearly identifiable as correct for model
- Camshaft, exhaust system free
- Two 1 1/2" S.U. carbs
- Substitution of any alternator for the standard generator, but not removal
- PCS listed gearbox ratios
- Rear axle ratios: 3.73, 3.91, 4.22, 4.55, 4.88, 5.38
- Rear axle locating devices allowed
- Limited slip differential
- Alfin brake drums
- Sway bars, axles, spindles, hubs, etc. are free as long as track remains correct
- Springs may be replaced with others of the same material and that fit without modifying the mounting points
- Removal of windscreen, (a suitable racing screen must replace the standard unit)
- Removal of bumpers
- Removal of turn signals and parking lamps. Head and taillights must remain in place
- Passenger seat in place
- Metal or GRP hardtop
- p/n Q2491 Alfin rear brake drums
- p/n Q2337/Q2552 rear disc brakes w/wire wheels
- p/n Q2353 (ATA 7154) 8" front brakes
- p/n 8G8732 Servo brake kit
- p/n Q2350 Cold air box
- p/n Q2424/31 Wire wheels
- Safety modification: add 1" rebound block in front suspension**



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

Aftermarket crankshaft, connecting rods, rocker arms

Accusump

Transistor or MSD type electronic ignition, must be triggered from distributor

Any A-series block may be used to build any size motor as long the resultant bore and stroke are correct

A front damper auxiliary top link may be fitted to form a triangular wishbone

Tube type shocks may replace lever type at the rear only; may not be coil-over

Alternate rear axle to obtain a "floater" design

Gearbox and rear axle ratios free

Removal of headlights

Removal of passenger seat

Fiberglass or alloy head rest fairing

Double rear axle bearings; SKF 6207-2RS1/C3HT51 (Berry Bearing) or MRC 207-SZZ/H501 (Winner's Circle)

*Single Weber DCOE carburetor & manifold, (FIA)

*Fiberglass (GRP) bonnet assy

*1275cc engine, (official weight same as 1275 Spridget)

***may be reclassified**

Specifically prohibited:

Relocating the leaf spring attachment points on the chassis

Fabricated control arms or extra links (A-frames)

Remote reservoir shock absorbers

After market brake systems

Metal or hard tonneau cover

Undocumented fiberglass body parts

Wheel arch flares

Ducting thru headlight openings

