

Austin-Healey Sebring Sprite



The **Austin-Healey Sebring Sprite** is an automobile that was produced by the Donald Healey Motor Company at its Cape Works in Warwick, the Healey's Speed Equipment Division in Grosvenor Street, London and subsequently by John Sprinzel Ltd from their well-known premises in Lancaster Mews. A modified version of the production Austin-Healey Sprite, it was recognized by the governing body of motorsport, the Fédération Internationale de l'Automobile, as a separate model in its own right, featuring Girling disc brakes as well as specified engine and chassis improvements. After its homologation on 17 September 1960, FIA regulations permitted the use of 'special bodies' and a small number of Sebring Sprites were subsequently fitted with coupé bodywork in aluminium alloy and glass fibre, the most strikingly attractive examples being those devised by well-known race and rally driver John Sprinzel, who had won the 1959 RAC British Rally Championship. Sprinzel commissioned the coachbuilders Williams & Pritchard, renowned for their racing and prototype work, to produce the bodies. These are usually said to have numbered six, but eight are known to have been made. Further Sprites received similar alloy bodywork from Alec Goldie and Fred Faulkner of the firm Robert Peel Sheet Metal Works (more usually known as 'Peel Coachworks'). The name 'Sebring Sprite' would become a generic term for any Sprite with disc brakes, and later for any Sprite with coupé or fastback bodywork.

This car is a modern replica Sprinzel Sebring Sprite, as produced by Brian Archer, but fitted with a Monza replica of the Speedwell GT bonnet as designed by Frank Costin and fastback rear bodywork.

Car no 73 as listed on the Archers Garage Sebring Replica list with parts delivered to Australia in April 2013 and build completed by Peter L Smith Engineering in January 2016

SPECIFICATIONS FOR THIS CAR

Body

Austin Healey Sprite MkIIA base vehicle
 Replica Peel Coachworks fastback bodywork
 Replica Speedwell Monza "Competition" bonnet
 Lightweight Aluminium doors + hinges
 Fabricated lightweight aluminium inner front guards
 Replica Speedwell (Stainless Steel) external door handles
 Fully welded 6 point integral steel roll cage
 Front suspension cross brace + reinforcement
 Specially fabricated aluminium alloy front air ducting
 Refabricated steel dash panel with revised layout + instruments
 Sebring Replica side windows
 Healey (Ice Blue metallic) paint
 Replica Donald Healey lightweight bucket seats
 6 point 3" harness competition seat belts

Engine

1380cc A Series
 EN408 forged crankshaft
 Arden 8 Port Aluminium crossflow head
 RE282 high lift Camshaft
 Arrow lightweight Connecting rods + forged 73.5 Omega Pistons
 Lightweight 1.5 roller rockers
 Chrome moly pushrods
 Lightweight race flywheel
 Competition engine mountings
 Pre-engaged high capacity starter motor

Induction

Twin Weber 40 DCOE side draught carburettors
 Fabricated steel inlet manifolds ceramic coated

Fuel System

Twin competition Electric fuel pumps
 Reinforced braided lines + filter
 30 litre aluminium alloy fabricated fuel tank
 Alloy Aston style fuel filler cap

Ignition System

Breakerless Performance Optical
 Rev limiter
 High energy coil
 Lucas 45D Competition distributor

Exhaust System

Specially fabricated 4 into 2 manifold ceramic coated
 Specially fabricated stainless steel side exit

Cooling System

Aluminium Alloy 3 core radiator
 High capacity water pump with toothed pulley
 13 row aluminium Oil cooler

Clutch

7.25mm Heavy Duty diaphragm + paddle drive plate
 Roller bearing release

Gearbox

4 speed S/C C/R dog engagement

Archers
 Archers
 Archers
 PLS Engineering
 Bond Roll Bars
 PLS Engineering
 PLS Engineering
 PLS Engineering/Garys Mot Trim
 Archers
 Ronnie Tarabay Winners Circle
 Archers
 Sabelt
 Spriteparts/Russell Engineering
 MED
 MED/Russell Engineering
 Russell Engineering
 MED
 Peter May Engineering
 Russell Engineering
 MED
 Speedwell Eng/PLS Engineering
 MED
 MED
 Facet
 Earls
 Bond Roll Bars
 Lumenition
 Lumenition
 Lumenition
 Aldon Automotive
 PLS Engineering
 Superior Radiator Service
 Spridget Mania
 Serck
 AP Racing
 AP Racing
 Jack Knight Developments

Braking System

Dual circuit master cylinder
Ventilated front discs with Girling calipers
Solid rear brake discs and calipers with integral park brake
Hydraulic brake bias valve

AP Lockheed
PLS Engineering
PLS Engineering

Front suspension

Fabricated upper wishbone arms with telescopic damper units
Negative camber top trunnions
Up-rated and lowered coil springs

Frontline/AVO
Peter May Engineering
BMH

Rear suspension

4 link special mounting with integral coil spring damper units
Panhard rod assembly

PLS Engineering/AVO
PLS Engineering

Rear axle

Standard axle assembly with reinforced casing
4.55 differential plate type LSD
Double row bearings + hubs
Heavy duty half shafts

PLS Engineering
Spridget Mania
PLS Engineering
Romac Performance Products

Steering

Reconditioned standard rack and pinion
Intermediate shaft with universal joints + step bearing mounts
Motalita 14" Alloy/leather non dished steering wheel

Spriteparts
PLS Engineering

Wheels and Tyres

6.0Jx13 Performance Alloy wheels
185/60R13 Yokohama A048R tyres

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Electrical System

Period braided wiring loom
Competition dry cell battery
Nippondenso high capacity alternator with toothed pulley

Vinwire/PLS Engineering
Odyssey
Spridget Mania